

CURRICULUM VITAE

Dr Sivaram Ponnusamy, [B.E. (EEE), M.E. (CSE), Ph.D., M.B.A. (PM), B.A. Hindi]

Professor, Research Supervisor

[Engineering Colleges and Universities] Department of CSE & AI

Mobile: +91-9527998686

Email: ponsivs@yahoo.com



<u>Communication Address:</u>	<u>Permanent Address:</u>
Flat No. 16, 4 th Floor, Sai Darshan Apartments, Rane Nagar, Nashik - 422009. Maharashtra, India	631/5, Ponvel Illam, Dheeran Nagar, Thuraiyur, Trichy, TN, India-621010.

OBJECTIVE

My goal is to secure a position in an organization that fosters a positive environment, where I can acquire and apply new skills and technologies to improve both the organization and myself. I intend to enhance my educational and professional skills in a stable and dynamic workplace. With a challenging position, I plan to solve problems creatively and effectively.

RESEARCH INTEREST/AREA/SPECIALIZED FIELD

- The research focuses on the optimization of social welfare computer applications through AI.
- Automation and Control Systems.

RESEARCH WORK SUMMARY

Sl. No.	Research Category	Count
1	Patents - Granted	02
2	Patents - Published	17
3	Edited International Books	09
4	Springer Conf. Editor Proceedings	01
5	Seminars/Workshops Conducted	06
6	PhD Scholar - Guiding	08
7	Journal Articles (International)	18
8	Book Chapters (International)	45
9	IEEE Conference Articles	04
10	PhD Thesis Evaluation	03
11	SCOPUS Count of Research Work	55
12	Program/Software Developed	03

EDUCATION DETAILS

Degree	SPL	Year Appeared	Institution/University	Marks	% of Marks
Ph.D.	CSE	October 2017	Anna University, Chennai	Commended	Commended
ME.	CSE	May 2006	JJCT, Trichy/Anna University, Chennai.	1446 / 2200	66.00
BE.	EEE	May 2002	AMSEC, Namakkal / Periyar University, Salem	3964 / 4700	84.34
MBA.	PM	May 2007	Alagappa University, Karikkudi.	1371 / 2100	66.00
HSC	SBT	March 1998	ER Higher Secondary School, Trichy.	952 / 1200	79.33
SSLC	SBT	March 1996	Govt. Higher Secondary School, Vaiyampatti.	427 / 500	85.40

ADDITIONAL QUALIFICATION

Name of the Course	Grade	Year of Completion
Typewriting English	JUNIOR	Jan 1997
Typewriting English	SENIOR	Jul 1998
Typewriting Tamil	JUNIOR	Aug 2000
Diploma in Comp. SW	APTECH (ACCP)	2000
Rashtra Bhasha Praveen	BA (Hindi)	Sep 1996

WORK EXPERIENCE DETAILS

- ❖ I worked as a **Hardware Service Engineer** at **CompCare Computer Services, Perambalur, Tamil Nadu, India, from May 2002 to September 2002** and as a **Paginator (Junior Production Trainee)** at **Cepha Imaging Pvt., Ltd., Bangalore, Karnataka, India, from October 2002 to July 2003. [9 Months of experience]**

ENGINEERING COLLEGE & UNIVERSITY EXPERIENCE DETAILS (Total Exp: **20** Years; **08** Months; **01** Days)

Organization	Designation	Duration	Experience	Subjects/Laboratory Handled
Paavai Engineering College, Pachal, Namakkal	Lecturer Dept. of CSE	11 th MAY 2005 To 31 st MAY 2006	1 Year 21 Days	Computer networks and professional ethics. LAB: Computer Networks Visual Programming, Total Quality Management. LAB: Visual Programming Lab
Selvam College of Technology, Namakkal	Lecturer Dept. of CSE	12 th JULY 2006 To 7 th MAR 2007	7 Months 27 Days	Circuit Analysis, Fundamentals of Computer Programming. LAB: Computer Programming Lab
AMS Engineering College, Erumapatty, Namakkal	Assistant Professor Dept. of CSE	15 th MAR 2007 To 31 st May 2010	3 Years 2 Months 17 Days	Data Structures and Algorithms, Software Engineering Methodologies. SQM, High-speed Networks. Project cum Placement Coordinator.
SASTRA Deemed to be University, Kumbakonam	Assistant Professor Grade II Dept. of CSE	10 th June 2010 To 30 th April 2018	7 Years 10 Months 21 Days	Embedded Systems, Real-Time Systems, Artificial Intelligence, Computer Networks, and Android Development.
PRIST (deemed to be) University, Thanjavur	Assistant Professor Grade II Dept. of CSE	2 nd May 2018 To 10 th Mar 2021	2 Years 10 Months 9 Days	Artificial intelligence, computer networks, and mobile computing.
Chitkara University, Himachal Pradesh	Assistant Professor Grade III - Dept. of CSE	22 nd March 2021 To 30 th Oct 2021	7 Months 9 Days	Cyber Security, Introduction to Linux Mobile Application Development I, and Mobile Application Development using Android.
Jain deemed to be University, Bangalore	Assistant Professor Grade III - Dept. of CSE	2 nd Nov 2021 To 21 st June 2022	7 Months 20 Days	iOS/Android/Outsystems Platform-Based Mobile App Development, Project-Centric Learning - Coordinator.
Bharat Institute of Engineering and Technology, Hyderabad	Associate Professor Dept. of CSE	24 th June 2022 To 15 th Dec 2022	5 Months 19 Days	Programming for Problem-Solving, Social Welfare Application Creation.
G. H. Rasoni College of Engineering, Nagpur	Professor Dept. of Artificial Intelligence	19 th Dec 2022 To 04 th Nov 2023	10 Months 17 Days	Research and Development, Computer Vision, Deep Learning
Sandip University, Nashik	Professor, School of CSE	08 th Nov 2023 To Till Date	2 Years 2 Months 4 Days	Android Development, Artificial Intelligence, Machine Learning, Python Programming

JOURNAL EDITORIAL BOARD MEMBERSHIPS

Journal Name	ISSN	Publisher	URL
Automation, Control, and Intelligent Systems	OL: 2328-5591 PR: 2328-5583	EDITORIAL BOARD MEMBER, Science Publishing Group, Rockefeller Plaza, USA.	Editorial Board Link
International Journal of Antennas and Propagation	OL: 1687-5877 PR: 1687-5869	ACADEMIC EDITOR, WILEY	Editorial Board Link

My PhD RESEARCH WORK

PhD Thesis: P. Sivaram, "The studies on certainty of operations for continuous run of vehicles on road environment using VANET with efficient event notifications," *Anna University*, October 4, 2017 (04-10-2025). [\[ONLINE\]](#)

SUBJECTS HANDLED IN TEACHING CAREER

Data Structures and Algorithms	Software Quality Management	Deep Learning
Artificial Intelligence	Real-time Systems	Machine Learning
Operating Systems	Software Project Management	Computer Vision
Professional Ethics	Soft Computing Techniques	Programming for Problem-Solving
Embedded Systems	Management Information Systems	Android App Development

PATENTS GRANTED

1. **[Patent Number 565604]** Title of the Invention [First Inventor]: **SYSTEM AND METHOD FOR CONDUCTING CONTACTLESS TRANSACTIONS [Indian Patent]** [Application Number: **202111035616**]. Date of filing: **06th August 2021**; date of publication: **03rd March 2023** [OFFICIAL JOURNAL OF THE PATENT OFFICE—ISSUE NO. **09/2023** dated **03-03-2023 - Part 1 - Page Number: 14436**]; and request for examination date: **26th May 2023**. **PATENT GRANTED** on **28th April 2025**. [[ONLINE](#)]
2. **[Patent Number 568088]** Title of the Invention [First Inventor]: **REMOTE VOTING SYSTEM [Indian Patent]** [Application Number: 202111034738]. Date of filing: **02nd August 2021**, date of publication: **03rd March 2023**, and request for examination date: **25th May 2023**. [OFFICIAL JOURNAL OF THE PATENT OFFICE—ISSUE NO. **09/2023** dated **03-03-2023 - Part 1 - Page Number: 14362**.] **PATENT GRANTED** on **28th June 2025**. [[ONLINE](#)]

PATENTS FILED & PUBLISHED

1. Title of the Invention [Second Inventor]: **REMOTE EXAM INVIGILATION SYSTEM [Indian Patent]** [Application Number: 202111045711]. Date of filing: 07th October 2021, date of publication: 14th April 2023, and request for examination date: 08th August 2023. [OFFICIAL JOURNAL OF THE PATENT OFFICE—ISSUE NO. 15/2023 dated 14-04-2023—Part 1—Page Number: 31836.] [[ONLINE](#)]
2. Title of the Invention [First Inventor]: **DEVICE AND METHOD FOR CALCULATING USAGE BASED TOLL FEE [Indian Patent]** [App. No.: 202111046750]. Date of filing: 13th October 2021, date of publication: 21st April 2023, and request for examination date: 10th August 2023. [OFFICIAL JOURNAL OF THE PATENT OFFICE—ISSUE NO. 16/2023 dated 21-04-2023 - Part 1 - Page Number: 32556.] [[ONLINE](#)]
3. Title of the Invention [Second Inventor]: **SYSTEM FOR POLLUTION DETECTION AND ENVIRONMENTAL ANALYSIS BASED WEATHER PREDICTION [Indian Patent]** [App. No.: 202111052877]. Date of filing: 17th November 2021, date of publication: 19th May 2023, and request for examination date: 23rd August 2023. [OFFICIAL JOURNAL OF THE PATENT OFFICE - ISSUE NO. 20/2023 dated 19-05-2023—Part 2—Page Number: 37712.] [[ONLINE](#)]
4. Title of the Invention [Applicant & First Inventor]: **REMOTE SEATING ARRANGEMENT WITH FREE SEAT IDENTIFICATION AND RESERVATION SYSTEM [Indian Patent]** [App. No.: 202241046509]. Date of filing: 16th August 2022, and date of publication: 16th September 2022. [OFFICIAL JOURNAL OF THE PATENT OFFICE - ISSUE NO. 37-2022 dated 16-09-2022—Part 1—Page No.: 58164.] [[ONLINE](#)]
5. Title of the Invention [Applicant & Inventor]: **SYSTEM FOR MONTHLY ELECTRICITY BILL AUTOMATION [Indian Patent]** [App. No.: 202241049721]. Date of filing: 31st August 2022, and date of publication: 09th September 2022. [OFFICIAL JOURNAL OF THE PATENT OFFICE - ISSUE NO. 36-2022 dated 09-09-2022—Part 1—Page Number: 56639.] [[ONLINE](#)]
6. Title of the Invention [Applicant & Inventor]: **SYSTEM AND METHOD FOR LOCATION BASED TRAVEL ALARM [Indian Patent]** [Application Number: 202241058313]. Date of filing: 12th October 2022, and date of publication: 18th November 2022. [OFFICIAL JOURNAL OF THE PATENT OFFICE - ISSUE NO. 46-2022 dated 18-11-2022—Part 1—Page Number: 72636.] [[ONLINE](#)]
7. Title of the Invention [Applicant & Inventor]: **SUPPORT SUB-SYSTEM TO RECOGNIZE THE OPPONENT'S FACE AND RELEASE THE SPEECH SIGNALS FOR WAX SCULPTURE [Indian Patent]** [Application Number: 202321001558]. Date of filing: 7th January 2023, and date of publication:

24th March 2023. [OFFICIAL JOURNAL OF THE PATENT OFFICE - ISSUE NO. 12/2023 dated 24-03-2023—Part 1—Page Number: 27886.] [[ONLINE](#)]

8. Title of the Invention [First Inventor]: **ARTIFICIAL INTELLIGENCE BASED SYSTEM FOR GYMNASIUM WITH WELLNESS AND FITNESS GUIDANCE** [Indian Patent] [Application Number: 202321024842]. Date of filing: 31st March 2023, and date of publication: 03rd May 2024. [OFFICIAL JOURNAL OF THE PATENT OFFICE - ISSUE NO. 18/2024 dated 03-05-2024—Part 1—Page Number: 41382]. [[ONLINE](#)]
9. Title of the Invention [First Inventor]: **AN ARTIFICIAL INTELLIGENCE BASED ATTENDANCE MANAGEMENT SYSTEM** [Indian Patent] [Application Number: 202321024844]. Date of filing: 31st March 2023, and date of publication: 03rd May 2024. [OFFICIAL JOURNAL OF THE PATENT OFFICE - ISSUE NO. 18/2024 dated 03-05-2024—Part 1—Page Number: 41384]. [[ONLINE](#)]
10. Title of the Invention [Fifth Inventor]: **A SYSTEM AND METHOD FOR ASSISTED GUIDANCE TO THE VISUALLY IMPAIRED BASED ON COMPUTER VISION** [Indian Patent] [Application Number: 202321024996]. Date of filing: 31st March 2023, and date of publication: 03rd May 2024. [OFFICIAL JOURNAL OF THE PATENT OFFICE - ISSUE NO. 18/2024 dated 05-04-2024—Part 1—Page Number: 33395]. [[ONLINE](#)]
11. Title of the Invention [Second Inventor]: **ADVANCED SECURE HEALTHCARE SYSTEM WITH INNOVATIVE DEEP LEARNING MODELS AND BLOCKCHAIN CLOUD-BASED SOLUTIONS** [Indian Patent] [Application Number: 202421099193]. Date of filing: 15th December 2024, and date of publication: 17th January 2025. [OFFICIAL JOURNAL OF THE PATENT OFFICE - ISSUE NO. 03/2025 dated 17-01-2025—Part 1—Page Number: 7155]. [[ONLINE](#)]
12. Title of the Invention [Second Inventor]: **REMOTE VOTING SYSTEMS FOR ENHANCING DIGITAL DEMOCRACY TO SAFEGUARD ELECTORAL INTEGRITY AND TRANSPARENCY** [Indian Patent] [Application Number: 202421099194]. Date of filing: 15th December 2024, and date of publication: 17th January 2025. [OFFICIAL JOURNAL OF THE PATENT OFFICE - ISSUE NO. 03/2025 dated 17-01-2025—Part 1—Page Number: 7175]. [[ONLINE](#)]
13. Title of the Invention [Second Inventor]: **E-COURT SYSTEMS FOR ENHANCED EFFICIENCY AND ACCESSIBILITY INTEGRATING WITH ARTIFICIAL INTELLIGENCE** [Indian Patent] [Application Number: 202421099450]. Date of filing: 16th December 2024, and date of publication: 17th January 2025. [OFFICIAL JOURNAL OF THE PATENT OFFICE - ISSUE NO. 03/2025 dated 17-01-2025—Part 1—Page Number: 7190]. [[ONLINE](#)]
14. Title of the Invention [Second Inventor]: **A Hybrid Deep Learning Approach for Real Time Stress Prediction in Working Women** [Indian Patent] [Application Number: 202421101080]. Date of filing: 19th December 2024, and date of publication: 17th January 2025. [OFFICIAL JOURNAL OF THE PATENT OFFICE - ISSUE NO. 03/2025 dated 17-01-2025—Part 1—Page Number: 7210]. [[ONLINE](#)]
15. Title of the Invention [Second Inventor]: **A Novel NLP based RAG Framework for Women Empowerment with Social Justice** [Indian Patent] [Application Number: 202421101081]. Date of filing: 19th December 2024, and date of publication: 17th January 2025. [OFFICIAL JOURNAL OF THE PATENT OFFICE - ISSUE NO. 03/2025 dated 17-01-2025—Part 1—Page Number: 7211]. [[ONLINE](#)]
16. Title of the Invention [Second Inventor]: **AUTOMATED ROAD ASSESSMENT SYSTEM FOR POTHOLE DETECTION, DIMENSION ANALYSIS, AND COST ESTIMATION** [Indian Patent] [Application Number: 202521000595]. Date of filing: 02nd January 2025, and date of publication: 31st January 2025. [OFFICIAL JOURNAL OF THE PATENT OFFICE—ISSUE NO. 05/2025 dated 31-01-2025—Part 1—Page Number: 11313]. [[ONLINE](#)]
17. Title of the Invention [Second Inventor]: **Integrating AI-Enhanced Wearable Technologies for Real-Time Women's Safety with Advanced Behavioral** [Indian Patent] [Application Number: 202521004192]. Date of filing: 17th January 2025, and date of publication: 14th February 2025. [OFFICIAL JOURNAL OF THE PATENT OFFICE—ISSUE NO. 07/2025 dated 14-02-2025—Part 1 - Page Number: 16078]. [[ONLINE](#)]

INTERNATIONAL SCOPUS INDEXED EDITED BOOK 2023, 2024

1. Sivaram Ponnusamy, S. Senthilkumar, Lipika Gupta, and Lokesh Nelligere S. (Eds.) 2023. **Perspectives on Social Welfare Applications' Optimization and Enhanced Computer Applications**. ISBN13: 9781668483060, EISBN13: 9781668483084. pp. 1-336. [\[URL\]](#) [\[DOI\]](#)
2. Sivaram Ponnusamy, Mansor Assaf, Jilali Antari, Satyanand Singh, and Swaminathan Kalyanaraman. (Eds.) 2024. **Digital Twin Technology and AI Implementations in Future-Focused Businesses**. ISBN13: 9798369318188, EISBN13: 9781668483084. pp. 1-331. [\[URL\]](#) [\[DOI\]](#)
3. Sivaram Ponnusamy, Vibha Bora, Prema M. Daigavane, and Sampada S. Wazalwar. (Eds.) 2024. **AI Tools and Applications for Women's Safety**. ISBN13: 9798369314357, EISBN13: 9798369314364. pp. 1-362. [\[URL\]](#) [\[DOI\]](#)
4. Sivaram Ponnusamy, Vibha Bora, Prema M. Daigavane, and Sampada S. Wazalwar. (Eds.) 2024. **Impact of AI on Advancing Women's Safety**. ISBN13: 9798369326794, EISBN13: 9798369326800. pp. 1-315. [\[URL\]](#) [\[DOI\]](#)
5. Sivaram Ponnusamy, Vibha Bora, Prema M. Daigavane, and Sampada S. Wazalwar. (Eds.) 2024. **Wearable Devices, Surveillance Systems, and AI for Women's Wellbeing**. ISBN13: 9798369334065, EISBN13: 9798369334072. pp. 1-321. [\[URL\]](#) [\[DOI\]](#)
6. Sivaram Ponnusamy, Jilali Antari, Pawan R. Bhaladhare, Amol D. Potgantwar, and Swaminathan Kalyanaraman. (Eds.) 2024. **Enhancing Security in Public Spaces Through Generative Adversarial Networks (GANs)**. ISBN13: 9798369335970, EISBN13: 9798369335987. pp. 1-409. [\[URL\]](#) [\[DOI\]](#)
7. Sivaram Ponnusamy, Mansour Assaf, Jilali Antari, Satyanand Singh, and Swaminathan Kalyanaraman (Eds.). 2024. Title: **Harnessing AI and Digital Twin Technologies in Businesses**. ISBN13: 9798369332344, EISBN13: 9798369332351. pp. 1-547. [\[URL\]](#) [\[DOI\]](#)
8. Sivaram Ponnusamy, Jilali Antari, Gwanggil Jeon, Mansour Assaf, and Bhisham Sharma (Eds.). 2025. Title: **Revolutionizing Education with Remote Experimentation and Learning Analytics**. ISBN13: 9798369385937, EISBN13: 9798369385951, pp. 1 – 704. [\[URL\]](#) [\[DOI\]](#)
9. Sivaram Ponnusamy, Mansour Assaf, Youssef Baddi, Gwanggil Jeon, Swaminathan Kalyanaraman, (Eds.) 2025. Title: **Leveraging VANETs and Blockchain Technology for Urban Mobility**. ISBN13: 9798337302652, EISBN13: 9798337302676, pp. 1 – 512. [\[URL\]](#) [\[DOI\]](#)

INTERNATIONAL SCOPUS INDEXED SPRINGER CONFERENCE 2023

1. Sivaram Ponnusamy and Vibha Rajesh Bora. 2024. **"The Role of AI in Bio-Medical Translations' Research for the Health Care Industry (AIBTR-2023)"** (1st Edition) Edited by Sivaram Ponnusamy and Vibha Rajesh Bora, Communications in Computer and Information Science (SPRINGER), Volume 1987. Softcover ISBN 978-3-031-49453-6, eBook ISBN 978-3-031-49454-3. pp. 1-103. [\[URL-1\]](#) [\[DOI\]](#)

AWARDS & RECOGNITION

1. On the **15th of August 2017**, from the District Collector, Thanjavur, Tamil Nadu, India, I was awarded an appreciation award for the successful design, development, and implementation of an Android App named **"Meeting Management Tool"** for the work done from the 07th of February 2017 to the 07th of August 2017.
2. On the **30th & 31st of March 2022**, I acted as **SESSION CHAIR** in the International Conference titled **"The Second International Conference on Business, Management, Environmental, and Social Science 2022,"** which was held at Bath Spa University, Academic Centre, RAK, UAE.
3. From the **8th to the 11th of November 2024**, I acted as **SESSION CHAIR** at the International Conference titled **"3rd INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH AND DEVELOPMENT (ICIRD - 2024),"** held at Shinawatra University, Thailand.
4. Awarded as an **IGRF Expert Member in 2024 and 2025** by the **INTUITIVO GATEWAY RICERCA FATTI PRIVATE LIMITED, INDIA.**

JOURNAL REVIEWER

- I have been the reviewer of the **ASTES Journal** with Reviewer Code **AJR08367** since August 2020.
- I am the reviewer of the **Journal of Engineering Research and Sciences (JENRS)**, with reviewer code

JSR00719, from 9th January 2022.

- I am playing the reviewer role for the "**International Journal of Communication Systems**" (ISSN: 1074-5351, Online ISSN: 1099-1131). Review identifier—ID: **8v1VuCFw**.
- I play the reviewer role in the "**Computers and Electrical Engineering**" (ISSN: 0045-7906).

PROFESSIONAL MEMBERSHIPS

- A member of the International Association of Engineers (**IAENG**).
Member ID: 288532, 2021.
- A European Society for Research on Internet Interventions (**ESRII**)
Member. Member ID: 78594IN, 2020.
- A member of the International Association of Online Engineering (**IAOE Affiliate**).
Member ID: 11356, 2020.
- A Professional Institute for Engineering Research and Publication (**IFERP**) member.
Member ID: PM15874236, up to 31-12-2020.
- A Global Member of the Internet Society (**ISOC**). **Member ID: 2223693 from Oct 17, 2020.**
- **A WSSET Associate Member of the World Society of Sustainable Energy Technologies (WSSET), from January 6, 2026.**

SEMINARS / WORKSHOPS CONDUCTED

1. I delivered a lecture on "**Recent Trends in Computing with Special Emphasis on Android Application Development**" at the Department of Computer Science and Applications, Government Arts College (Autonomous), Kumbakonam, on the 12th of April 2017. (Seminar).
2. I presented "**ANDROID-An Eye Opener**" at the Department of Computer Science and Engineering, SRC, SASTRA Deemed to be University, Kumbakonam, on the 12th of August 2017. (Workshop).
3. I presented "**Social Welfare Applications' Optimization with Advanced Technologies of Computer Science (SWAAT-CS)**" at the Department of CSE, Shri Vishnu Engineering College for Women, Bheemavaram, Andhra Pradesh, India, under FDP: Recent Trends in Artificial Intelligence, IoT, and Data Analytics, as a resource person on the 10th of February 2022. (FDP). [[ONLINE](#)]
4. At the "**International Conference on Business, Management, Environmental, Social Science**," at Bath Spa University, UK, Academic Centre Ras Al Khaimah, UAE, on 30th and 31st March 2022, I acted as session chair in the conference. [[ONLINE](#)]
5. I presented "**Hands-on and Examples of Social Welfare Applications' Optimization with Advanced Technologies of Computer Science**" at the Department of CSE, Shri Vishnu Engineering College for Women, Bheemavaram, Andhra Pradesh, India, under FDP: Recent Trends in Artificial Intelligence and Cyber Security, as a resource person on the 3rd of November 2022. (FDP). [[ONLINE](#)]
6. I presented the topic, "**AI bridging Academia and Real-World Applications**," at JD College of Engineering and Management, Nagpur, on the 12th of February 2025, for the one-week faculty development program titled "Emerging Technologies in Artificial Intelligence," dated 10th-15th February 2025.

PhD RESEARCH SCHOLARS' GUIDING

- [1] Pravin Raghunath Pachorkar, Sivaram Ponnusamy, "**PhD Title: Remote Voting Systems for Enhancing Digital Democracy to Safeguard Electoral Integrity and Transparency using Blockchain Technology**," Sandip University, Nashik. [[ONLINE](#)]
- [2] Pramod Chindhu Patil, Sivaram Ponnusamy, "**PhD Title: Advanced Secure Healthcare System with Innovative Deep Learning Models and Blockchain in Cloud-Based Solutions**," Sandip University, Nashik. [[ONLINE](#)]
- [3] Shyamrao Appasaheb Gade, Sivaram Ponnusamy, "**PhD Title: E-Court Systems for Enhanced Efficiency and Accessibility Integrating with Artificial Intelligence**," Sandip University, Nashik. [[ONLINE](#)]
- [4] Savita Vijay Lade, Sivaram Ponnusamy, "**PhD Title: A Novel NLP-Based RAG Framework for**

- Women Empowerment with Social Justice," Sandip University, Nashik. [\[ONLINE\]](#)**
- [5] Dhamdhare Shubhangi Tulshidas, Sivaram Ponnusamy, "**PhD Title: Integrating AI-Enhanced Wearable Technologies for Real-Time Women's Safety with Advanced Behavioural Analysis and Anomaly Detection Techniques,**" Sandip University, Nashik. [\[ONLINE\]](#)
- [6] Sachin Bajirao Bhosale, Sivaram Ponnusamy, "**PhD Title: Real-time Pothole Detection and Dimension Estimation using Image Processing with Deep Learning for Road Environment Safety,**" Sandip University, Nashik. [\[ONLINE\]](#)
- [7] Vaibhav Narayanrao Dhage, Sivaram Ponnusamy, "**PhD Title: Enhancing Autonomous Vehicle Intelligence: A Deep Federated Learning Approach for Real-Time Decision Making and Safety,**" Sandip University, Nashik. [\[ONLINE\]](#)
- [8] Madhuri Vishnu Malode, Sivaram Ponnusamy, "**PhD Title: A Hybrid Deep Learning Approach for Real-Time Stress Prediction in Working Women,**" Sandip University, Nashik. [\[ONLINE\]](#)

JOURNAL ARTICLES, BOOK CHAPTERS, & CONFERENCE PAPERS PUBLISHED

International Journal Articles Publication:

- [1] P. Sivaram and P. Rajaram, "AUTOSAR: In-vehicle Standardization with Certainty of Operations towards Globalization," *International Journal of Innovations in Engineering and Technology (IJJET)*, vol. 4, p. 66, 2014. [\[ONLINE\]](#)
- [2] P. Sivaram and P. Rajaram, "Design and Development of Android based Academic Monitoring System," *International Research Journal of Management and Humanities*, Sep. 14, 2014. [\[ONLINE\]](#)
- [3] P. Sivaram and S. Senthilkumar, "An Efficient On the Run in-Vehicle Diagnostic and Remote Diagnostics Support System in VANET," *Middle-East Journal of Scientific Research*, vol. 24, no. 11, pp. 3542–3553, 2016, DOI: 10.5829/idosi.mejsr.2016.3542.3553. [\[ONLINE\]](#)
- [4] P. Sivaram and S. Senthilkumar, "Event Notification in VANET with Traffic Congestion Detection and Congestion Avoidance," *International Journal of Printing, Packaging & Allied Sciences*, Dec. 1, 2016. [\[ONLINE\]](#)
- [5] P. Sivaram and VR Priya, "Android Platform for Academics," *International Journal of Pharmacy and Technology*, vol. 8, no. 4, pp. 22416–22431, Dec. 2016. [\[ONLINE\]](#)
- [6] P. Sivaram and S. Senthilkumar, "VANET BASED EVENT NOTIFICATIONS: IN-VEHICLE'S INTERNAL AND EXTERNAL-CERTAINTY OF OPERATIONS TO PROVIDE CONTINUITY OF TRAVEL ON THE ROAD ENVIRONMENT," *International Journal of Pharmacy & Technology*, vol. 9, no. 1, pp. 28715–28727, Mar. 2017. [\[ONLINE\]](#)
- [7] R. Senthilkumar and P. Sivaram, "MIS BASED DISTRIBUTOR MANAGEMENT SYSTEM (DMS) USING DISTRIBUTED DATABASES," *International Journal of Pharmacy & Technology*, vol. 9, no. 1, pp. 28739–28750, Mar. 2017. [\[ONLINE\]](#)
- [8] Jason Levy, Bishwajeet Pandey, and P. Sivaram, "Prologue—3 Sciences—State of the Art Computing Paradigms for Socio-Ecological Resilience and Economic Renewal in the Pandemic Era," *3C Tecnología*, Feb. 14, pp. 19-25, 2022. [\[ONLINE\]](#)
- [9] K. Swaminathan, Sivaram Ponnusamy, G. Prasanna Lakshmi, Sri Nandhini Sivaram, Manish Nyayapati, and Rakesh Nyayapati, "Enhancing Digital Identity Verification and Content Rights Management with AI and Blockchain Using SVMs." (2024). *International Journal of Multidisciplinary Global Research*, 3(1), 48-64. [\[ONLINE\]](#)
- [10] Karthikeyan R, Swaminathan K, Sivaram Ponnusamy, "Bioengineered Neural Interfaces for Improved Brain-Computer Interactions." (2024). *International Journal of Multidisciplinary Global Research*, 3(1), 12-24. [\[ONLINE\]](#)
- [11] Malathi Sivaram, Sri Nandhini Sivaram, Sivaram Ponnusamy, and Madhusudan KS, "From the Consumers' Perspective: Plastic Free Consumer Products, based on a High Critical-Crisis-Based Recommender System for the Manufacturers/Producers of Consumable Products Packed with All Types of Containers Based on Plastic Material." (2024). *International Journal of Multidisciplinary Global Research*, 3(1), 65-85. [\[ONLINE\]](#)

- [12] Balaji, C. G., and Sivaram, P., "Adaptive Beamforming and Energy-Efficient Resource Allocation for Sustainable 6G THz Networks," IETE J Res, Feb. 2025. [\[ONLINE\]](#)
- [13] Vaishnavi Satish Mahajan, Dhawal Pravin Choudhary, Mayur Pravin Patil, and Sivaram Ponnusamy (2025). "Generic Artificial Intelligent Agent Using IoT and Deep Learning." International Journal of Advance Scientific Research and Engineering Trends. 9(4), pp. 49-52. [\[ONLINE\]](#)
- [14] R. Kiruba Buri, Seema B. Rathod, Swaminathan Kalyanaraman, Bhavna Bajpai, Snehlata Wankhade, and Sivaram Ponnusamy. (2025). "Enhancing Security in Heterogeneous IoT Networks through Intelligent Identification Systems." Journal of VLSI Circuits and Systems. 7(1), pp. 155-166. [\[ONLINE\]](#)
- [15] Sivaram P, Harshita C, Sri Nandhini S, Shilpa S B, Abdulkayyum S, & Ashwini D M. (2025). Equity by Design: Harnessing AI TRiSM for Socially Responsible Innovation. (2025). International Journal of Multidisciplinary Global Research, 2(2), 13-44. [\[ONLINE\]](#)
- [16] Md Tanweer Alam Sunny, Md Imran Ansari, & Sivaram Ponnusamy. (2025). Bridging the Gap: Addressing Linguistic and Cultural Disparities in the Indian Justice System through Constitutional Directives. (2025). International Journal of Legal Discourse and Advances in Legal Research, 1(1), 09-22. [\[ONLINE\]](#)
- [17] Balaji, C.G., Menaka, S., Rajeswari, G., and Sivaram Ponnusamy (2025). A unified AI-driven framework for quantum-secured 6G THz networks with intelligent reflecting surfaces and federated edge learning. Sci Rep 15, 42510. [\[ONLINE\]](#)
- [18] Pagar, D. A., Sivaram, P., & Muqueem, M. (2025, December). Cloud-based SaaS platform for AI-driven patent analysis and innovation insights. International Research Journal of Engineering and Technology (IRJET), 12(12), 1031–1035. [\[ONLINE\]](#)

International Book Chapters Publication

- [1] MD Abdul Wassay, P. Sivaram, A. Anand, Y. Alsaud, S. Dara, "Smart Invigilation System: Examinations through IoT to Avoid Academic Dishonesty (SIS-eAAD)," No. 5954; EasyChair: Chandigarh, India, 2021. [\[ONLINE\]](#)
- [2] H. Singh and P. Sivaram, "An Efficient Design and Development of IoT Based Real-Time Water Pollution Monitoring and Quality Management System," *Proceedings of International Conference on Innovative Technologies for Clean and Sustainable Development (ICITCSD – 2021)*, pp. 217–228, 2022, DOI: 10.1007/978-3-030-93936-6_18. [\[ONLINE\]](#)
- [3] P. Sivaram, M. A. Wassay, and S. M. Nandhagopal, "Design and Development of COVID-19 Pandemic Situation-Based Remote Voting System," *Proceedings of International Conference on Innovative Technologies for Clean and Sustainable Development (ICITCSD – 2021)*, pp. 389–404, 2022, DOI: 10.1007/978-3-030-93936-6_32. [\[ONLINE\]](#)
- [4] P. Sivaram, Nandhagopal SM, C Devaraj Verma, and Durga Shankar Baggam, "Design and Development of COVID-19 Pandemic Situation based Contactless Automated Teller Machine Operations," Book: SWARM INTELLIGENCE AND MACHINE LEARNING: APPLICATIONS IN HEALTHCARE. CRC PRESS, 2022. Accessed: May 09, 2022. [\[ONLINE\]](#)
- [5] Sivaram Ponnusamy, Senthilkumar S, Lipika Gupta, and Nelligere S. Lokesh, "Preface." In Perspectives on Social Welfare Applications' Optimization and Enhanced Computer Applications, 2023, 1–336. IGI Global. [\[ONLINE\]](#)
- [6] J. Mahilraj, J. S. Vergin, V. Ramasamy, N. Begam, J. Sahayarayan, and S. Ponnusamy, "Advanced Method of MOB-I App Used for Medical and Agriculture," in Perspectives on Social Welfare Applications' Optimization and Enhanced Computer Applications, IGI-Global, 2023, pp. 52–66. [\[ONLINE\]](#)
- [7] J. Mahilraj, T. Avudaiappan, and S. Ponnusamy, "Detection of Damage in Composite Materials Using Hybrid Fuzzy Logic Technique in Aerospace," in Perspectives on Social Welfare Applications' Optimization and Enhanced Computer Applications, IGI-Global, 2023, pp. 125–140. [\[ONLINE\]](#)
- [8] Sivaram Ponnusamy, Mansour Assaf, Jilali Antari, Satyanand Singh, and Swaminathan Kalyanaraman. "Preface." In Digital Twin Technology and AI Implementations in Future-Focused

- Businesses, 2024. pp. 1–331. IGI Global. [\[ONLINE\]](#)
- [9] Swaminathan Kalyanaraman, Sivaram Ponnusamy, and R. K. Harish, "Amplifying Digital Twins Through the Integration of Wireless Sensor Networks," in *Digital Twin Technology and AI Implementations in Future-Focused Businesses*, IGI-Global, 2024, pp. 70–82. [\[ONLINE\]](#)
- [10] Harish Ravali Kasiviswanathan, Sivaram Ponnusamy, and K. Swaminathan, "Investigating Cloud-Powered Digital Twin Power Flow Research and Implementation," in *Digital Twin Technology and AI Implementations in Future-Focused Businesses*, IGI-Global, 2024, pp. 176–194. [\[ONLINE\]](#)
- [11] Seema Babusing Rathod, Sivaram Ponnusamy, and Rupali A. Mahajan, "Synergies of Digital Twin Technology and AI," in *Digital Twin Technology and AI Implementations in Future-Focused Businesses*, IGI-Global, 2024, pp. 217–230. [\[ONLINE\]](#)
- [12] C. Harshita and P. Sivaram, "Crime Mapping and Hotspot Analysis Enhancing Women's Safety Through GIS," in *AI Tools and Applications for Women's Safety*, 1st ed., vol. 1, P. Sivaram, B. Vibha, D. Prema M, and W. Sampada S, Eds., IGI-Global, 2024, pp. 36–50. [\[ONLINE\]](#)
- [13] Gill, S. K., Chaudhary, A., Sharma, B., & Ponnusamy, S. (2024). *Minds at Ease: A Machine Learning Approach to Women's Mental Wellness in the Professional Arena*. In S. Ponnusamy, V. Bora, P. Daigavane, & S. Wazalwar (Eds.), *Wearable Devices, Surveillance Systems, and AI for Women's Wellbeing* (pp. 182-191). IGI Global Scientific Publishing. [\[ONLINE\]](#)
- [14] Sivaram Ponnusamy, V. Bora, P. M. Daigavane, and S. S. Wazalwar, "Preface," in *Impact of AI on Advancing Women's Safety*, vol. 1, no. 1, S. Ponnusamy, V. Bora, P. M. Daigavane, and S. S. Wazalwar, Eds., in *Advances in Computational Intelligence and Robotics*, vol. 1, IGI Global, 2023, pp. xxi–xxiv. [\[ONLINE\]](#)
- [15] H. Gehani and Sivaram Ponnusamy, "Mobile Application-Based Women's Safety and Security System Using AI," *Impact of AI on Advancing Women's Safety*, vol. 1, no. 1, pp. 200–215, Dec. 2024. [\[ONLINE\]](#)
- [16] M. A. Sahu, M. A. Ramteke, A. P. Sahu, H. Chourasia, and Sivaram Ponnusamy, "Women's Care with Generalized Metabolism Analysis Report Based on Age Using Deep Learning," in *Impact of AI on Advancing Women's Safety*, vol. 1, no. 1, 2024, pp. 278–290. [\[ONLINE\]](#)
- [17] Kalyanaraman, S., Sivaram Ponnusamy, Saju, S., Sangeetha, S., & Karthikeyan, R. (2024). "Adversarial Learning for Intrusion Detection in Wireless Sensor Networks: A GAN Approach." *Adversarial Learning for Intrusion Detection in Wireless Sensor Networks*. 39–52. [\[ONLINE\]](#)
- [18] Kalyanaraman, S., Sivaram Ponnusamy, Saju, S., Vijay, R., & Karthikeyan, R. (2024). *GAN-Based Privacy Protection for Public Data Sharing in Wireless Sensor Networks*. 259–273. [\[ONLINE\]](#)
- [19] Sivaram Ponnusamy, Chourasia, H., Rathod, S. B., & Patil, D. (2024b). *AI-Driven Traffic Management Systems: Reducing Congestion and Improving Safety in Smart Cities*. *Smart Cities*, 96–121. [\[ONLINE\]](#)
- [20] Sivaram Ponnusamy, Chourasia, H., Rathod, S. B., & Patil, D. (2024a). *Advanced Computing for Smart Public Transportation Systems in Smart Cities*. *Smart Cities*, 213–239. [\[ONLINE\]](#)
- [21] Ali, S. I., Kale, G. P., Shaikh, M. S., Sivaram Ponnusamy, & Chouhan, P. S. (2024). *AI Applications and Digital Twin Technology Have the Ability to Completely Transform the Future*. 26–39. [\[ONLINE\]](#)
- [22] Rathod, S. B., Vyawahare, H., Mahajan, R. A., & Sivaram Ponnusamy. (2024). *Blockchain-Empowered Business Realities: Convergence with AI and Digital Twins*. 53–71. [\[ONLINE\]](#)
- [23] Rajeswari, D., Venkatachalam Parthiban, A., & Sivaram Ponnusamy. (2024). *Digital Twin-Based Crop Yield Prediction in Agriculture*. 99–110. [\[ONLINE\]](#)
- [24] Rathod, S. B., Sivaram Ponnusamy, Mahajan, R. A., & Khan, R. A. H. (2024). *Echoes of Tomorrow: Navigating Business Realities with AI and Digital Twins*. 158–174. [\[ONLINE\]](#)
- [25] Kasiviswanathan, H. R., Sivaram Ponnusamy, Swaminathan, K., Thenthirupathi, T., Sangeetha, S., & Sankar, K. (2024). *Enhancing Electric Vehicle Battery Management with the Integration of IoT and AI*. 187–203. [\[ONLINE\]](#)
- [26] Kasiviswanathan, H. R., Karthikeyan, M., Vairamuthu, S., Sivaram Ponnusamy, & Swaminathan, K. (2024). *Exploring the Role of Digital Twin in Power System Applications*. 224–238. [\[ONLINE\]](#)

- [27] Shaikh, M. S., Chandrawat, U. B. S., Choudhary, S. M., Ali, S. I., Sivaram Ponnusamy, Khan, R. A. H., & Sheikh, A. G. (2024). Harnessing Logistic Industries and Warehouses with Autonomous Carebot for Security and Protection: A Smart Protection Approach. 239–257. [\[ONLINE\]](#)
- [28] Ali, S. I., Shaikh, M. S., Sivaram Ponnusamy, & Chouhan, P. S. (2024). Technological Collaboration, Challenges, and Unrestricted Research in the Digital Twin: Digital Twin Technology. 380–399. [\[ONLINE\]](#)
- [29] Rathod, S. B., Vyawahare, H. R., Khan, R. A. H., & Sivaram Ponnusamy. (2024). Twinning for Success: A Guide to Strategic Business Integration with AI and Digital Twins. 411–431. [\[ONLINE\]](#)
- [30] Dhage, V. & Ponnusamy, S. (2025). Deep Federated Learning for Real-Time Decision Making in Autonomous Vehicles: A Comprehensive Approach. In R. Kumar, S. Peng, P. Jain, & A. Elngar (Eds.), *Deep Learning Innovations for Securing Critical Infrastructures*, pp. 227-238. IGI Global Scientific Publishing. [\[ONLINE\]](#)
- [31] Karthikeyan, R., Swaminathan, K., & Ponnusamy, S. (2025). Secure Data Exchange in VANETs Using Blockchain and Support Vector Machines for Smart Urban Mobility. In S. Ponnusamy, M. Assaf, B. Youssef, G. Jeon, & S. Kalyanaraman (Eds.), *Leveraging VANETs and Blockchain Technology for Urban Mobility* (pp. 157-172). IGI Global Scientific Publishing. [\[ONLINE\]](#)
- [32] Swaminathan, K., Ponnusamy, S., & Karthikeyan, R. (2025). Federated LSTM Framework for Distributed Traffic Forecasting and Mobility Optimization in Blockchain-Integrated VANETs. In S. Ponnusamy, M. Assaf, B. Youssef, G. Jeon, & S. Kalyanaraman (Eds.), *Leveraging VANETs and Blockchain Technology for Urban Mobility* (pp. 219-232). IGI Global Scientific Publishing. [\[ONLINE\]](#)
- [33] Swaminathan, K., Ponnusamy, S., R. K., H., & Karthikeyan, R. (2025). Analyzing Student Behavior in Virtual Labs: Insights from Learning Analytics. In S. Ponnusamy, J. Antari, G. Jeon, M. Assaf, & B. Sharma (Eds.), *Revolutionizing Education with Remote Experimentation and Learning Analytics* (pp. 69-80). IGI Global Scientific Publishing. [\[ONLINE\]](#)
- [34] Kalyanaraman, S., Ponnusamy, S., Harish, R., & Karthikeyan, R. (2025). Integration of Remote Experimentation in STEM Education: Impact on Student Engagement and Learning Outcomes. In S. Ponnusamy, J. Antari, G. Jeon, M. Assaf, & B. Sharma (Eds.), *Revolutionizing Education with Remote Experimentation and Learning Analytics* (pp. 263-276). IGI Global Scientific Publishing. [\[ONLINE\]](#)
- [35] Balaji, C. G., Ponnusamy, S., Menaka, S., Rajeswari, G., & Jain, H. (2025). Enhancing Lifecycle Stages and Navigating Implementation Hurdles for AI-Powered Tools and Challenges in Cloud-Native Software Development. In P. Chelliah, R. Venkatesh, N. Natraj, & R. Jeyaraj (Eds.), *Artificial Intelligence for Cloud-Native Software Engineering* (pp. 171-202). IGI Global Scientific Publishing. [\[ONLINE\]](#)
- [36] Dhamdhare, S. T. & Ponnusamy, S. (2026). AI-Enhanced Wearable Technologies: Revolutionizing Women's Safety with Real-Time Monitoring. In D. Roache (Ed.), *Developing Resilient and Secure Organizations: Leadership and Security Measures* (pp. 259-282). IGI Global Scientific Publishing. [\[ONLINE\]](#)
- [37] Gade, S. A. & Ponnusamy, S. (2026). AI-Driven E-Court Systems in India: Enhancing Judicial Efficiency and Accessibility Through Constitutional and Penal Code Integration. In A. Kalafat Çat, M. Yetgin, & J. Sarker (Eds.), *Navigating Modern Digital Communication Ethics and Law* (pp. 349-360). IGI Global Scientific Publishing. [\[ONLINE\]](#)
- [38] Bhosale, S. B. & Ponnusamy, S. (2026). Deep Learning-Driven Pothole Dimension Analysis for Prioritizing Road Maintenance: A Comprehensive Framework. In E. Olga Titovna, D. Elango, P. Kumar, P. Mehra, & R. Verma (Eds.), *Smart Mobility and Electric Transportation: Infrastructure, Policy, and Regional Innovation* (pp. 1-16). IGI Global Scientific Publishing. [\[ONLINE\]](#)
- [39] Rathod, S. B., Dhole, P. H., & Ponnusamy, S. Real-World Applications Transforming Industries with Computer Vision. 269-298. [\[ONLINE\]](#)
- [40] Rathod, S. B., Dhole, P. H., & Ponnusamy, S. Object Detection and Localization: Identifying and Pinpointing with Precision. 311-330. [\[ONLINE\]](#)

- [41] Ponnusamy, S., Swaminathan, K., Nandha Gopal, S. M., Jaiswal, A., & Chaurasia, S. Overcoming Occlusions in Visual Data using Long Short-Term Memory Networks (LSTMs). 349-362. [\[ONLINE\]](#)
- [42] Amlani, N., Deshpande, S., Chaurasia, S., Jaiswal, A., & Ponnusamy, S. Transformative Role of Machine Learning and Deep Learning Architecture in Computer Vision. 363-376. [\[ONLINE\]](#)
- [43] Thawani, P. V., Ajmre, P. E., Chaurasia, S., & Ponnusamy, S. A Comprehensive Analysis of Deep Learning and Machine Learning for Semantic Segmentation and Object Detection in Machine and Robotic Vision. 377-391. [\[ONLINE\]](#)
- [44] Lade, S.V., Ponnusamy, S. (2025). Advances in Retrieval-Augmented Generation Frameworks: A Comprehensive Review of NLP Applications for Women Empowerment and Social Justice. In: Ghonge, M.M., Liu, H., Khan, M., Tran, T.A. (eds) Advances in Emerging Technologies and Computing Innovations. ICETCI 2025. Sustainable Artificial Intelligence-Powered Applications. Springer, Cham. [\[ONLINE\]](#)
- [45] Malode, M.V., Ponnusamy, S. (2025). Methodological Insights into Stress Detection and Prediction: A Focused Review on Women-Specific Approaches. In: Ghonge, M.M., Liu, H., Khan, M., Tran, T.A. (eds) Advances in Emerging Technologies and Computing Innovations. ICETCI 2025. Sustainable Artificial Intelligence-Powered Applications. Springer, Cham. [\[ONLINE\]](#)

[International Conference Papers Publication](#)

- [1] B. Pandey, T. Kala, N. Bhoj, H. Gohel, A. Kumar, and P. Sivaram, "Effective Identification of Spam Jobs Postings Using Employer Defined Linguistic Feature," 2022 1st International Conference on AI in Cybersecurity (ICAIC), 2022, pp. 1-6, DOI: 10.1109/ICAIC53980.2022.9897059. [\[ONLINE\]](#)
- [2] J. Mahilraj, P. Sivaram, N. Lokesh, and B. Sharma, "An Optimized Energy Efficient Task Scheduling Algorithm based on Deep Learning Technique for Energy Consumption," 2023 6th International Conference on Information Systems and Computer Networks (ISCON), pp. 1–7, Mar. 2023. [\[ONLINE\]](#)
- [3] V. Ramasamy, S. Vadivel, S. Kothandapani, J. Mahilraj, P. Sivaram, and B. Sharma, "An Optimal Feature Selection with Neural Network-Based Classification Model for Dengue Fever Prediction," 2023 6th International Conference on Information Systems and Computer Networks (ISCON), pp. 1–5, Mar. 2023. [\[ONLINE\]](#)
- [4] J. Mahilraj, P. Sivaram, B. Sharma, N. Lokesh, B. Bobinath, and R. Moriwal, "Detection of Tomato Leaf Diseases Using Attention Embedded Hyper-parameter Learning Optimization in CNN," 2023 6th International Conference on Information Systems and Computer Networks (ISCON), pp. 1–6, Mar. 2023. [\[ONLINE\]](#)
- [5] Jaiswal, V., Thakare, M., Chaurasia, S. A., Ponnusamy, S., & Sharma, B. (2024). A framework for optimizing resources and performance management in a cloudlet computing environment. 2024 Control Instrumentation System Conference (CISCON) (pp. 1–5). IEEE. [\[ONLINE\]](#)
- [6] Bhosale, S. B., & Sivaram, P. (2025). Real-time pothole detection using YOLOv7: An efficient deep learning approach for road safety and maintenance. 2025 International Conference on Data Science and Business Systems (ICDSBS) (pp. 1–9). IEEE. [\[ONLINE\]](#)
- [7] Pachorkar, P. R., & Ponnusamy, Sivaram. (2025). Exploring blockchain technology for secure electronic voting systems: A review. 2025, 3rd International Conference on Communication, Security, and Artificial Intelligence (ICCSAI) (pp. 1321–1330). IEEE. [\[ONLINE\]](#)
- [8] Madhuri Vishnu Malode, Sivaram Ponnusamy (2025). A Comparative Review and Cycle-Aware Deep Learning Framework for Women’s Stress Prediction. EPJ Web Conf. 341 01045 (2025). [\[ONLINE\]](#)
- [9] Savita Lade, Sivaram Ponnusamy (2025). An Explainable Retrieval Framework for Women Empowerment and Social Justice: A Comparative Review and Proposed Architecture. EPJ Web Conf. 341 01047 (2025). [\[ONLINE\]](#)
- [10] Shubhangi Dhamdhere, Sivaram Ponnusamy (2025). AI-Integrated Wearable Devices for Enhancing Women's Safety through Continuous Monitoring and Proactive Alerts. EPJ Web Conf., 343 (2025) 05006. [\[ONLINE\]](#)

[11] Sachin B. Bhosale, Sivaram Ponnusamy (2025). Smart Pothole Detection and Reporting System: Real-Time Localization and Automated Alerts for Efficient Road Maintenance. EPJ Web Conf., 343 (2025) 05012. [\[ONLINE\]](#)

National Government Project Publication

[1] P. Sivaram et al., "Emerging Defense Operations and Estimation of Combustion, Boosting Time of a Missile from Terminal to Boosting Stages using Machine Learning Model," Research Proposal to DRDL, Hyderabad. Date: 30/11/2022 [\[ONLINE\]](#)

Faculty Content Posting on Blogs

1. Utilizing OutSystems Development to Unleash Innovation. [\[ONLINE\]](#)
2. Social Welfare Computer Applications' Optimization. [\[ONLINE\]](#)

PROGRAM/SOFTWARE DEVELOPED

Sl.No.	Product Name	Description	GitHub Download Link
1	Windows Cleaner Pro	Windows OS Utility Tool for Cleaning Unwanted Files .	Freeware & Open-Source
2	Registry Optimizer Pro	Windows OS utility tool for cleaning and fixing corrupted registry entries.	Freeware & Open-Source
3	Windows Performance Optimizer Pro	Windows OS Utility Tool for Optimizing the Performance.	Freeware & Open-Source

PHD THESIS EVALUATION AS EXTERNAL EXAMINER

PRN	Name	University	Title of the Thesis
20211252282006	R. Kavitha	Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India - 627012	Cervical Cancer Diagnosis in Pap Smear Images by Using Distinct and Joint Pattern Recognition Methods of Cervical Nucleus Texture Features with Ensemble Classification Technique.
20211252272005	J. Jeya Bargan	Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India - 627012	Developing a Universal Disease Prediction System Based on Iridology.
R20161683	R. Uma	Alagappa University, Tamil Nadu, Karaikudi, India.	A study on Developing Hybrid Meta Heuristic Algorithms Using Population based methods.

PERSONAL DETAILS

Date of Birth / Age / Gender : 14.02.1981 / 44 / Male.
Marital Status : Married.
Spouse Name : Malathi Sivaram, M. Com., DCS.
Father's Name : [Late] M. Ponnusamy, M.Sc., M.Ed., [Rtd. Head Master, GHSS]
Mother's Name : [Late] P. Velammal, BA, B.Ed., [Home Maker]
Nationality, Language Proficiency : Indian, English, Tamil, Hindi (Read, Write & Speak)
Passport Number : P0610263
Aadhar Card Number : 4878-0310-1303
PAN Card Number : BCXPS5807F

DECLARATION

As a result of this declaration, I affirm that all the details mentioned above are true and accurate to the best of my knowledge. I am responsible for the correctness of the above and the particulars.

Date: 10-01-2026
Place: Nashik.



Signature,
(Handwritten Signature)
(Dr. P. Sivaram)

Contact: [9527998686](tel:9527998686), ponsivs@yahoo.com

Global Profiles of Dr. P. Sivaram		
1	ORCID ID	https://orcid.org/0000-0001-5746-0268
2	LinkedIn	www.linkedin.com/in/Prof-Dr-Sivaram-P
3	Google Scholar	https://scholar.google.co.in/citations?user=1LUICqEAAAAJ
4	ResearchGate	https://www.researchgate.net/profile/Sivaram_Ponnusamy2
5	Web of Science Researcher ID	https://www.webofscience.com/wos/author/record/ADJ-9070-2022
6	Scopus Author ID	https://www.scopus.com/authid/detail.uri?authorId=59138945800
7	Vidwan-ID	https://vidwan.inflibnet.ac.in/profile/206300
8	IGI-Publication Profile	https://www.igi-global.com/affiliate/sivaram-ponnusamy/449070
9	MySciencePG Scholar Profile	https://scholarprofiles.com/0000-4609-5643
10	Sandip University Profile	https://sandipuniversity.irins.org/profile/206300
11	YouTube Channel	https://www.youtube.com/@drpsivaram
12	GitHub (SWCAO)	https://github.com/Develop-SW-Team
13	GitLab	https://gitlab.com/ponnivas
14	PhD Thesis Link	http://hdl.handle.net/10603/234071
15	Google Developers	https://developers.google.com/profile/u/108021545433248487530
16	Sandip University IRINS	https://sandipuniversity.irins.org/profile/206300



MEETING MANAGEMENT TOOL FOR KUMBAKONAM DEPUTY COLLECTOR'S OFFICE

Shri P. Sivaram, Assistant Professor, Department of Computer Science and Engineering, Srinivasa Ramamujan Centre, SASTRA University, Kumbakonam, collaborated with Shri M. Pradeep Kumar, Sub Collector, Kumbakonam, Thanjavur District in developing MMT app, a useful tool for Decision Support System, Administrative Assistance System and Subordinate's Performance Evaluation System. With the help of this Android App (MMT), the Office Administration is made simple and effective in terms of evaluating Subordinates' work performance.

This App acts as a tool, and supports Decision Making Process in the activities of office administration. The data and information collection and reviewing are performed with various levels of office administration professionals (Tahsildar, Deputy Tahsildar, Revenue Inspectors, and Village Administrative Officers).

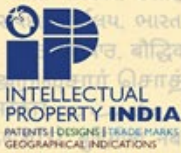
Shri M. Pradeep Kumar inaugurated the MMT App Project on August 7, 2017 at Kumbakonam. Dr P. Sivaram, Assistant Professor (MMT Project Mentor), and Chi. B. Selvaraju, a student of IV B, Tech, EEE who worked in the project were present.

District Collector Shri Annadurai, honored Dr P. Sivaram with a certificate of appreciation for successful completion of the project at the Independence Day celebrations at Thanjavur on August 15, 2017.

INDIAN GREEN BUILDING COUNCIL'S STUDENTS' CHAPTER AT SASTRA

The Indian Green Building Council's (IGBC), first ever students' chapter was inaugurated at SASTRA University on September 11, 2017. Dr. C. Velan, Executive Director & CEO, Ramamujan IT City and Head - South India Operations, Tata Realty & Infrastructure Ltd., inaugurated the chapter. He emphasized the importance of sustainable green development in the country and the role played by green buildings and smart cities. Highlighting the challenges such as air pollution, climate change, water scarcity, and waste disposal, he encouraged the students to think of innovative solutions to tackle the challenges. In this regard, he urged students to actively engage in the IGBC Student Chapter activities such as Green Building, Professional Accreditation, Green Building Congress, etc. He added that the IGBC-rated green building projects footprint have crossed the milestone of 4.61 billion sq ft with over 4,164 building projects registered under it.





क्रम सं/SL No :011220772



पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India

पेटेंट प्रमाण पत्र | Patent Certificate
(पेटेंट नियमावली का नियम 74) | (Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No. 565604

आवेदन सं. / Application No. 202111035616

फाइल करने की तारीख / Date of Filing 06/08/2021

पेटेंटी / Patentee Chitkara Innovation Incubator Foundation

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित SYSTEM AND METHOD FOR CONDUCTING CONTACTLESS TRANSACTIONS नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख अगस्त 2021 के छठे दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled SYSTEM AND METHOD FOR CONDUCTING CONTACTLESS TRANSACTIONS as disclosed in the above mentioned application for the term of 20 years from the 6th day of August 2021 in accordance with the provisions of the Patents Act, 1970.



Signature and Controller of Patents

अनुदान की तारीख : 28/04/2025
Date of Grant :

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, अगस्त 2023 के छठे दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देव होगी।
Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 6th day of August 2023 and on the same day in every year thereafter.

