

## **Faculty Profile**



**Mr. P. Sankar M.C.A., M.E., (Ph.D)**

Assistant Professor / CSE

Date of Joining: 28.08.2023

### **HIGHLIGHTS:**

- Number of Journal Publications: 01
- H-Index: NIL
- Project Funding Received: 00
- Patents Published: 10
- Patents Granted: 1 Apply

### **PROFESSIONAL LINKS:**

- Scopus ID:
- Scopus Link:
- Google Scholar ID:
- Anna University Faculty ID: 2122676
- AICTE Faculty ID: 1-43649618962
- Anna University Supervisor ID:
- ORCID : 0009-0008-0986-4493
- LinkedIn: [www.linkedin.com/in/psankar-linkedwithme](http://www.linkedin.com/in/psankar-linkedwithme)

### **PROFESSIONAL BACKGROUND:**

- Teaching Experience till date: 8.5
- Industrial Experience: 5

### **INTERNATIONAL EXPOSURE:**

- XXXXX
- YYYY
- ZZZZZZ.

### **AREA OF SPECIALIZATION:**

- Image Processing.
- Machine Learning / Deep Learning.

- Full Stack Developer.

## **PATENTS PUBLISHED/GRANTED:**

- Title of the invention : “Biomimetic Swarm Intelligence for Autonomous Cyber security Mesh Networks”, INDIA, Patent Application No. 202441050314 A, Publication Date : 05/07/2024, Name of Applicant : SAVEETHA ENGINEERING COLLEGE, Name of Inventor : Mr. P. SANKAR, Mrs. SREELAKSHMI. S, Dr. E. POOVANNAN, Mr. SHAGUL. A. S, Ms. P. PONMATHI JEBA KIRUBA, Mrs. J. RAJESHWARI, Mrs. U. SATHYA, Mrs. S. DHIVYA DHARSHINI.
- Title of the invention : “SELF-ADAPTIVE WIND TURBINE BLADE DESIGN WITH MORPHING TRAILING EDGE FOR ENHANCED ENERGY CAPTURE”, INDIA, Patent Application No. 202441052750 A, Publication Date : 19/07/2024, Name of Applicant : SAVEETHA ENGINEERING COLLEGE, Name of Inventor : SHAGUL. A. S, P. SANKAR, SELAKUMAR. S, ASWIN. A, GOPINATHAN. P, SARAVANAN. M. P, YASHINI. P, R. RAJASEKAR.
- Title of the invention : “Self-Learning and Self-Healing Software System for Autonomous Detection and Mitigation of Cyber-attacks”, INDIA, Patent Application No. 202441052751 A, Publication Date : 19/07/2024, Name of Applicant : SAVEETHA ENGINEERING COLLEGE, Name of Inventor : Mr. P. SANKAR, Mrs. SHRUTHI S NAIR, Dr. G. ARUL DALTON, Dr. RAMACHANDRAN. A, Dr. C. ANNA PALAGAN, Mrs. J. RAJESHWARI, Mrs. K. VISHNU PRIYA, Mrs. DHANALAKSHMI MANICKARAJ.
- Title of the invention : “A HYBRID REASONING FRAMEWORK FOR EXPLAINABLE AI WITH COMMON SENSE KNOWLEDGE”, INDIA, Patent Application No. 202441056098 A, Publication Date : 02/08/2024, Name of Applicant : SAVEETHA ENGINEERING COLLEGE, Name of Inventor : P. SANKAR, DHANALAKSHMI MANICKARAJ, RAJA KRISHNAMMAL A, K. VISHNUPRIYA, AROKIA NERLING RASONI G, SWEDHA V, G. KARTHIKA PRIYA DHARSHINI, PRIYANGA G.
- Title of the invention : “GENERATIVE ADVERSARIAL NETWORK (GAN)-BASED SYNTHETIC DATA GENERATION FOR PRIVACY PRESERVING MACHINE LEARNING”, INDIA, Patent Application No. 202441056350 A, Publication Date: 02/08/2024, Name of Applicant : SAVEETHA ENGINEERING COLLEGE, Name of Inventor : E. POOVANNAN, P. SANKAR, R. AUGUSTIAN ISAAC, C. RAJARAJACHOZHAN, R. VINOTH RAJ, P. SUNDARAVADIVEL, P. MUTHUVEL, K. PREMNATH.
- Title of the invention : “EDGE COMPUTING FRAMEWORK FOR REAL-TIME AI INFERENCE AND DECISION MAKING IN AUTONOMOUS VEHICLES” , INDIA, Patent Application No. 202441061913 A, Publication Date : 23/08/2024, Name of Applicant : SAVEETHA ENGINEERING COLLEGE, Name of Inventor : P. SANKAR, RAJAKRISHNAMMAL A, AROKIA NERLING RASONI G, T. SUNITHA,

BERLIN MAGTHALIN. R, S. SANDHIYAA, NICI MARX V S, KRISHNAMOORTHY J.

- Title of the invention : “BIO-INSPIRED NEURAL NETWORK ARCHITECTURE FOR REAL-TIME POWER GRID OPTIMIZATION AND FAULT DETECTION”, INDIA, Patent Application No. 202441061914 A , Publication Date : 23/08/2024, Name of Applicant : SAVEETHA ENGINEERING COLLEGE, Name of Inventor : P. SANKAR, PRIYANGA G, SWEDHA V, S. SANDHIYAA, Dr. R. RENUGADEVI, T. SUNITHA, G. KARTHIKA, BERLIN MAGTHALIN. R.
- Title of the invention : ”DISTRIBUTED LEDGER TECHNOLOGY-BASED SECURE AUTHENTICATION AND AUTHORIZATION FRAMEWORK FOR 6G WIRELESS NETWORKS”, INDIA, Patent Application No. 202441061909 A , Publication Date : 23/08/2024, Name of Applicant : SAVEETHA ENGINEERING COLLEGE, Name of Inventor : U. SATHIYA, P. SANKAR, SREELAKSHMI. S, P. PONMATHI JEBA KIRUBA, SHRUTHI S NAIR, YASHINI. P, K. M. JAASHIKA, Dr. M. DAYANIDHY.
- Title of the invention : “Explainable AI System with Interactive Visualization of Decision-Making Processes”, INDIA, Patent Application No. 202441066014 A , Publication Date : 13/09/2024, Name of Applicant : SAVEETHA ENGINEERING COLLEGE, Name of Inventor : SHRUTHI S NAIR, Dr. RAMACHANDRAN. A, Dr. E. POOVANNAN, KRISHNAMOORTHY J, Dr. M. NAVANEETHA VELAMMAL, K. NAGENDRAN, PRADEEP R, P. SANKAR.
- Title of the invention: “REAL-TIME GROUNDWATER FOR IDENTIFICATION AND MONITORING SYSTEM”, INDIA, Patent Application No.202441080354 A, Publication Date: 25/10/2024, Name of Applicant: SAVEETHA ENGINEERING COLLEGE, Name of Inventor: BERLIN MAGTHALIN. R, Dr. M. NAVANEETHA VELAMMAL, Dr. M. DAYANIDHY, PRADEEP R, G. KARTHIKA, DR. J. PARAMESH, BHARATHI A, P. SANKAR.

#### **COURSES CERTIFIED:**

- NPTEL- AICTE Faculty Development Program on Programming in Java was completed on Jan-Apr 2025, Duration of NPTEL course 12 weeks and Roll No: NPTEL24CS43S958800046.
- NPTEL- AICTE Faculty Development Program on Cloud Computing was completed on Jan-Apr 2025, Duration of NPTEL course 12 weeks and Roll No: NPTEL24CS17S358800455.
- Oracle Database 11g Administrator Certified Associate was completed on April 25, 2016. The Certificate No. 244772745DBOCA11G by ORACLE CORPORATION AS ON ORACLE CERTIFIED ASSOCIATE.

### **SPECIAL SESSIONS DELIVERED:**

- Resource Person for Hands-on training titled “Get Hands-on Experience with Best MongoDB Project Ideas for Beginners” organized by the Department of Computer Science and Engineering at Saveetha Engineering College on 25th Oct 2024
- Resource Person for Hands-on training titled “Master Crud Operations in Java Script by Building A Simple App From Scratch” organized by the Department of Computer Science and Engineering at Saveetha Engineering College on 31st Aug 2024
- Resource Person for Hands-on training titled “How To Create A Simple Java Script To-Do List For Beginners” organized by the Department of Computer Science and Engineering at Saveetha Engineering College on 26th April 2024

### **CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:**

- AICTE Training And Learning (ATAL) Academy Faculty Development Program on Cutting-Edge Insights into Artificial Intelligence and Its Applications at EASWARI ENGINEERING COLLEGE from 16/12/2024 to 21/12/2024.
- Alibaba Cloud Certification has successfully completed AI-driven Sustainability for the Sports Industry, Serial Number: ACFW316241200183658 on 16/12/2024.
- AICTE Training And Learning (ATAL) Academy Faculty Development Program on Integrating Machine Learning and Deep Learning in Real-time IoT Systems (in Association with NVIDIA) at SAVEETHA ENGINEERING COLLEGE from 02/12/2024 to 07/12/2024.
- “Two-Day National Level Online Workshop on Designing Effective Surveys”, Organised by CEDAAR, Chennai, India on 8th & 9th November, 2024 CEDAAR Certificate of Appreciation CENTRE FOR DATA ANALYTICS & RESEARCH CHENNAI, INDIA.
- Six days Online International Faculty Development Program on "Harnessing Artificial Intelligence for Healthcare Excellence: Innovations, Insights and impacts" organized by the Department of Biomedical Engineering from 24th-29th June 2024.
- Five-day virtual Faculty Development Program on "Exploring Wearable Tech and AI Innovations for personalized Healthcare" held from 3rd June to 7th June 2024, organized by the Department of BME, Rajalakshmi Engineering College.
- One Week National Level Online Faculty Development Program on Generative AI Models and Applications of Machine Learning from 21-05-2024 to 25-05-2024 organized by the Department of Computer Science & Engineering at Shri Vishnu Engineering College for Women.
- National Level Faculty Development Program on Business Analytics organized by AISSMS College of Engineering, SJC Institute of Technology and Matrusri Engineering College in Collaboration with ExcelR Edutech Pvt. Ltd. Date: 5th Feb to 9th Feb 2024.

- International Faculty Development Program on "Emerging Technologies in Computer Science" during 22.01.2024 to 27.01.2024.
- National Level Six Days Faculty Development and Training Program on "Emerging Research Trends in Engineering and Technology" organized by Department of Computer Science and Engineering, Kings Engineering College from 04 Jan 2024 to 11 Jan 2024.
- Two days "Face Detection using OpenCV and AI" held on January 4 and 5, 2024.
- Five Day Online Faculty Development Programme on "Emerging Trends and Challenges in Renewable Energy Systems" GATES INSTITUTE OF TECHNOLOGY, GATES INSTITUTE OF TECHNOLOGY held during 5th Feb 2024 to 9th Feb 2024.
- National Level Six Days Faculty Development and Training Programme on "Emerging Technologies for Next Generation Networks" organized by Department of Computer Science and Engineering, Kings Engineering College from 17th July 2023 to 22nd July 2023.
- Five days Online Faculty Development Program on “Angular and Business Intelligence”, Organized by the Department of Computer Science and Engineering, St. Joseph’s Institute of Technology on 30th, May 2020 and 31st, May 2020.
- Webinar on The Future of Computing - Cloud and Fog Computing conducted on 2020-05-29 organized by Department of computer application, Noorul Islam Center for Higher Education.
- ONLINE TEACHING TOOLS 2020 organized by PG department of Computer Science, Bishop Heber College, Trichy-620 017.
- Applied Deep Learning, Some of the concepts of Deep Learning like TensorFlow, PyTorch, Neural Networks, Deep Fake are discussed in Webinar. Held on 14-June-2020 organized by Indian Servers.
- “Cyber security” on 8<sup>th</sup> and 9<sup>th</sup> June 2020, Organized by Department of Computer science and Engineering and IT of Sri Venkateswara College of Engineering and Technology(Autonomous) in Association with INDIAN SERVERS.
- One-week Faculty Development Program entitled “Leading Industry 4.0 Revolution”, from June 1, 2020, to June 6, 2020, through online Pedagogy by Sathyabama University.
- JQuery and AngularJS – Web Technology Tools, conducted by the School of Science Studies, CMR University on 4<sup>th</sup> July, 2020.

- Faculty Development Programme from 2020-06-11 to 2020-06-13 on Python 3.4.3 organized by St. Joseph's Institute of Technology with course material provided by Spoken Tutorial Project, IIT Bombay.
- One Week Faculty Development Programme and Online Training on Java Programming hosted by Syed Ammal Engineering College, Ramanathapuram in association with Spoken Tutorial Project, IIT-Bombay, funded by National Mission on Education through ICT, MHRD, Govt. of India.(06-07-2020 to 11-07-2020)