


Sethu Institute of Technology
An Autonomous Institution
Pulloor, Kariapatti - 626 115, Virudhunagar



Department of Information Technology

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|--|---|----------|---------|---|
| NAME | E.SELVAMANJU | | |  |
| UNIQUE ID | FD6038 | | | |
| DESIGNATION | Assistant Professor | | | |
| QUALIFICATION | B.Tech(IT), M.Tech (IT), (Ph.D) (IT) | | | |
| EMAIL ID | selvamanju@sethu.ac.in | | | |
| ALTERNATE EMAIL ID | selvamanjuelraj@gmail.com | | | |
| EXPERIENCE | INDUSTRY | TEACHING | TOTAL | |
| | - | 3 Years | 3 Years | |
| DATE OF JOINING THE INSTITUTION | 27.08.2021 | | | |
| RESEARCH FOCUS | <i>Machine Learning, Artificial Intelligence</i> | | | |
| SUBJECT COMPETENCY | <i>C programming language, Data structures,</i> | | | |
| NO OF JOURNAL PUBLICATION (INTERNATIONAL/NATIONAL) | - | | | |
| NO OF CONFERENCE ATTENDED (INTERNATIONAL/NATIONAL) | 6 National Conferences 3 International Conferences | | | |
| NO OF CONFERENCE PUBLICATION (INTERNATIONAL/NATIONAL) | 3 International Conferences (Indexed) | | | |
| NO OF BOOKS PUBLISHED | - | | | |

ACADEMIC RECORD

| CLASS / COURSE | NAME OF THE INSTITUTION | BOARD OF STUDY | YEAR OF PASSING | MARKS% /CGPA |
|-----------------------|--|-------------------------|------------------------|--|
| Ph.D (IT) | Kalasalingam Academy of Research and Education | Deemed to be University | Pursuing | 9 CGPA |
| M.TECH (IT) | Francis Xavier Engineering College, Tirunelveli. | Anna University | 2013 | 8.61CGPA (First Class with Distinction) |
| B.TECH (IT) | Sakthi Engineering College, Thiruninravur, Chennai | Anna University | 2011 | 80% (First Class with Distinction) |
| HSC | C.M Higher Secondary School, Thoothukudi. | Tamil Nadu State Board | 2007 | 73.8% |
| SSLC | C.M Higher Secondary School, Thoothukudi. | Tamil Nadu State Board | 2005 | 85.4 % |

CONFERENCES

➤ National Conferences

| S.NO | TITLE OF THE PAPER | ORGANIZED BY | NAME OF THE COLLEGES |
|-------------|--|---------------------|--|
| 1 | A Novel Approach for Distributed Accountability in Cloud Domain using CIA Framework | Department of ECE | St.Xavier's Catholic College Of Engineering, Nagercoil. |
| 2 | Engineer's Day Celebration | ISTE | Sakthi Engineering College, Thiruninravur. |
| 3 | Decentralized Information Accountability Framework | IET-SSIET | SreeSastha Institute of Engineering and Technology, Chennai. |

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|---|---|--------------------------|---|
| 4 | Waveogram Technique for the Retrieval Of Scanned Blood Cell Images | NCATC 2012 | FrancisXavier Engineering College, Tirunelveli. |
| 5 | Distributed Accountability in the Cloud | NCICS 2013 | Info Institute of Engineering, Coimbatore. |
| 6 | An Efficient Approach for Distributed Accountability in Cloud Domain using CIA Framework | Department of CSE and IT | St.Joseph College of Engineering, Chennai. |

➤ International Conferences

| S.NO | TITLE OF THE PAPER | ORGANIZED BY | NAME OF THE COLLEGES |
|------|--|--------------|---|
| 1 | An Efficient Approach for Decentralized Information Accountability using CIA Framework in the Cloud | ICBDM-2013 | Noorul Islam University, Kumaracoil |
| 2 | A Novel Approach for Distributed Accountability in Cloud Domain using CIA Framework | ICICN'13 | VINS Campus (VCCE), Nagercoil. |
| 3 | Using CIA Framework for Data Sharing | ICET2K13 | Sri Venkateswara College of Engineering and Technology, Chennai |

CURRICULAR ACTIVITIES

- Participated in the one-day Mini Project Exhibition & Competition “**Seintilla-09**” on February 13, 2009 held at Sakthi Engineering College, Thiruninravur.
- Participated in the “**Soft Skill and Placement Training Programme**” on March 3, 2009 held at Sakthi Engineering College, Thiruninravur.
- Participated the course on “**Introduction to open source software and basics of Linux installation and administration**” from September 1 to 15, 2009 in Jaya open source center.
- Participated in the Seven Day Camping Programme on the theme “**Healthy Youth for Healthy India**” organized at Allathur village, Thiruvallur Dt from February 21 to 27, 2010.
- Attended the workshop on “**Soft Skills**” held on July 25, 2010 conducted by educare in Koyamdedu.

- Appointed as **Organising Joint Secretary** in Sakthi Engineering College ISTE Student Chapter for the year 2009 to 2010.
- Participated in a national seminar on **“Research Avenues in Visual Cryptography”** on February 9 & 10, 2012 conducted by Einstein College of Engineering, Tirunelveli.
- Attended a seminar on **“Engineering in Health Care”** held on February 27, 2012 by IEEE Student branch in Francis Xavier Engineering College, Tirunelveli.
- Attended a seminar on **“Role of Robotics in Defence through Unmanned Ground Vehicles with Domains Focusing on Mechatronics, Control Systems, Embedded Systems, Fuzzy Systems, Drive by Wire, Teleoperation and Mobile Manipulators”** on October 2012 conducted by Francis Xavier Engineering College, Tirunelveli.
- Participated in the one day workshop on **“Embedded Networking”** held on February 28, 2013 conducted by Sakthi Engineering College, Thiruniravur.
- Attended Faculty Development Program conducted by Kalasalingam University Department of CSE on **“Data mining and Big data Analytics”** for 5 days (May 26 to 30, 2014).
- Attended Faculty Development Program conducted by Kalasalingam University Department of ECE & EEE on **“Computational Intelligent Techniques & their Applications”** for 5 days (September 8 to 12, 2015).
- Attended Faculty Development Program conducted by Anna University on **“IT-6602 Software Architectures”** for 7 days (November 23 to 30, 2015).
- Participated in the Three days **“Yoga for holistic life course”** held at the temple of Consciousness, Arutperumjothi Nagar, Aliyar from December 7 to 9, 2015.
- Attended Faculty Development Program conducted by EMC Academic Associate on **“Cloud Infrastructure and Services”** for 5 days (February 23 to 27, 2015).
- Appreciation from IQAC for the **NBA (Tier-I)** accreditation process of ECE department during March 2015.
- Participated in Two days Hands-on Training Programme on **“LATEX-A Document Mark-up Language”** conducted by Kalasalingam University Department of CSE and Engineering in association with CSI Student Chapter from January 7 and 8, 2016.
- Attended Faculty Development Program conducted by Kalasalingam University Department of ECE on **“3-Dimensional Stereoscopic Image Processing”** for 5 days (January 25 to 30, 2016).
- Presented a paper titled **“Microcontroller Based Digital Radiography for Inspection”** in National Conference on VLSI Design and Signal Processing NCVSP'16 held at Kalasalingam University on 18th March 2016.
- Appreciation for Department of Information Technology has been conferred **“Competance Award for Assistant Wardenship”** for the Academic year 2015 to 2016.

ACHIEVEMENTS

- Got 1st Rank in Engineering Chemistry Semester University Examination held in April 2008 on the Occasion of College Annual Day held on March 18, 2009.

- Got 3rd Rank in Fifth Semester University Examination held in October 2009 on the Occasion of College Annual Day held on March 23, 2010.
- Got highest mark in Graphic and multimedia, System Software, Distributed System, CBT in Anna University 7th Semester University Examination held during the year Nov/Dec 2010.
- Participated and won 1st place in Volley ball and Badminton event, 2nd place in Throw ball event in the Annual Sports Meet 2010, Sakthi Engineering College.
- In final M.Tech, I got 3rd Rank during the academic year 2012 to 2013, Francis Xavier Engineering Collage.

CURRICULAR ACTIVITIES (Ph.D)

- Participated in Live Webinar Series 3.0 titled **“International Opportunities After Graduation”** organized by Institution’s Innovation Council of Dr.N.G.P. Institute of Technology on 21st January 2021.
- Participated in webinar on **“Trends of Consumer Energy Efficiency”** organized by IEEE PSES Madras Chapter in Association with SB,KARE on 7th March 2021.
- Participated in webinar on **“Value of IEEE Publications in Research and Career Development”** organized by Kalasalingam Academy of Research and Education on 26th March 2021.
- Attended Faculty Development Program on **“Machine learning and Deep learning”** conducted by the Department of Computer Science and Engineering, National Institute of Technology Warangal from 30th March 2021 to 03th April 2021.
- Participated in **“Six Days National Workshop On Research Methodology (Qnvwrn-2021)”** organized by Queens College of Arts and Science for Women, Punalkulam held during 19th to 24th, April 2021 in virtual mode.
- Attended Five Day FDP on **“Software Tools For Electric Power System Analysis – STEPSA 2021”** on 26th April 2021 to 30th April 2021 organized by Department Of Electrical and Electronics Engineering, JB Institute Of Engineering And Technology.
- Participated in the One Day International webinar on **“The Impact of Covid’19 Pandemic on Management and Business Practices”** Organized by the Department of BBA, Mary Matha College of Arts and Science periyakulam on 30th April 2021.
- Attended one day E-Workshop on **“Learn to use Mendeley Software: To Manage your References and Citations”** organized by Faculty Development Cell in association with Internal Quality Assurance Cell on 29th May 2021.
- Participated in the Faculty Development Program organized by IEEE Madras Section on **“Practical Exposure on Fundamental Mathematics behind Machine Learning”** from 10th to 13th May 2021 through online.
- Participated Five Day National Level Online Faculty Development Programme on **“ML/DL By Using Colab And Knime-A Road Map”** Organized by Department of Computer Science and Engineering, CMR ENGINEERING College, Hyderabad from 1st June to 05th June 2021.
- Participated in the webinar on **“Computer Vision Algorithms”** organized by the IEEE Student Branch (34451) of Kalasalingam Academy of Research and Education on 3rd June 2021.

- Kalasalingam Academy of Research and Education has Successfully Completed the E-Quiz on WORLD ENVIRONMENT DAY organized from 3rd June to 5th June 2021. The E-Quiz is organized by NSS Team of DAVIM.
- Attended the National Level Webinar on **“Research Methodology”** organized by the Department of Information Technology of Eswari Engineering College on 4th June 2021.
- Attended the webinar on **“Machine Learning for Wireless Communications”** organized by IEEE Information Theory Society (ITS) Bangalore Chapter on 8th June 2021.
- Participated in the Webinar on **“Free Scopus Indexed Journal for newcomer researchers”** on 30th July 2021 organized by Progress with Prof. Mahamani, YouTube channel.
- Participation in the One Day Online National Research Program on **“How to Write a Research Paper for Scopus / SCI / IEEE Journals”** organized by Matterhere on 01st August 2021.
- Participated in the online training/webinar on **“IEEE Xplore”** organized by Kalasalingam Academy of Research and Education 24th September 2021.
- Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on **“Deep Learning”** from 13th December to 17th December 2021 at Indian Institute of Information Technology Vadodara.
- Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on **“Data Analysis Using Python”** from 27th December to 31st December 2021 at IPS Academy, Institute of Engineering & Science.
- Participated in the online workshop on **“Deep Learning Networks for Image Processing”** organized by IEEE India Council from 22nd December to 23rd December 2021.
- Participated in the Students Training Programme On **“Machine Learning using Python”**, organized by IEEE Madras Section during 03rd December to 05th December 2021 3:00 PM to 6:00 PM through online.
- Attended the Five days Online FDP on **“Edge Analytics in Industrial Applications”**, organized by Department of Information Technology, Mepco Schlenk Engineering College (Autonomous), Sivakasi during 20th to 24th, December 2021 through GoogleMeet.
- Participated in **‘SAMBHAV’,e-National Level Awareness Programme**”, Organized in October-November 2021 by the Ministry for promoting Entrepreneurship.
- Participated in the **“SAMBHAV-National Level Awareness Programme on Entrepreneurship (eNALP)”** jointly organized by Ministry of Micro, Small & Medium Enterprises Branch MSME-Development Institution, Tirunelveli, Kalasalingam Academy of Research and Education, Krishnankoil on 20th November 2021.
- Participated in the workshop **“Deep Learning and Data Analytics”** on 29th December 2021 organized by Department of Artificial Intelligence in Association with IET Institute of Computer Science and Engineering, Saveetha School of Engineering, Chennai.
- Participated in the webinar on **“Funding Opportunities”** presented by Dr.M.Uthayakumar, Senior Professor, Department of Automobile Engineering, KARE organized by school of Electronics, Electrical and Biomedical Technology, Department of Electronics and Communication Engineering, Kalasalingam Academy of Research and Education, Krishnankoil on 21st January 2022.

- Participated in the expert talk on "**A Woman with A Voice** " as part of National Girl Child Day organized by Women Empowerment Cell, Kalasalingam Academy of Research and Education on 24th January 2022.
- Attended Industrial Lecture on "**Introduction to Industry Grade Robotics Process Automation**" conducted by Department of Information Technology, Kalasalingam Academy of Research and Education, Krishnankoil on 14th February 2022.
- Participated in the webinar on "**The Mathematics of DS/ML/AI**" conducted by Office of Faculty Affairs & Learning Technology, Kalasalingam Academy of Research and Education on 26th February 2022.
- Participated in the Workshop on "**Art of Research Paper Writing**" Organized by Kalasalingam School of Architecture, in Collaboration with International Research Centre - (IRC), Kalasalingam Academy of Research and Education on Monday, 28th February 2022.
- Attended Online Course on "**Machine Learning**" conducted by Skill UP on 20th May 2022.
- Attended Online Course on "**Data Science with Python**" conducted by Skill UP on 27th May 2022.
- Participated in the FDP on "**Mathematical and Statistical Approach to Data Science and Machine Learning**" Organized by School of Computing, Kalasalingam Academy of Research and Education from 04th July to 08th July 2022.
- Participated in the Two Days National Level Seminar on "**Unravelling the Importance of Research Protocols and Publication Ethics: Need of the Hour**" Organized by Kalasalingam Academy of Research and Education and DST-SERB Sponsored from 29th July to 30th July 2022.
- Participated in the Professional Development Programme on "**Biomedical Engineering and IoT in Healthcare**" Organized by National Institute of Technical Teachers Training and Research, Chennai from 05th December 2022 to 09th December 2022.
- Participated in the Faculty Induction Program on "**Machine Learning Approaches for Engineering Applications**" Organized by Internal Quality Assurance Cell (IQAC) and Department of Electrical and Electronics Engineering in Sethu Institute of Technology from 12th December 2022 and 13th December 2022.
- Participated in the Five Days National Level Online Faculty Development Program on "**Machine Learning Approaches for Engineering Applications**" Organized by Prathyusha Engineering College, Thiruvallur from 27th December 2022 to 31st December 2022.
- Participated in the 30 Days "**Java Fullstack 2.0 Masterclass**" Organized by pantech e-Learning Pvt.Ltd, Chennai from 10th December 2022 to 10th January 2023.
- Participated in the Two Days National Workshop on "**Applications of Deep Learning Techniques in Image Retrieval**" Organized by Department of CSE, MANGAYARKARASI College of Engineering, Paravai-Madurai from 11th January 2023 & 12th January 2023.
- Participated in the 30 Days "**Web Development using React JS Masterclass**" Organized by pantech e-Learning Pvt.Ltd, Chennai from 4th January 2023 to 3rd February 2023.
- Participated in the Productivity Week Celebrations-2023 "**My idea My India & Celebrating India's G20 Presidency Debate Competition for Students**" Organized by Velammal College of Engineering

and Technology, Madurai Productivity Council, Madurai from 12th February 2023 to 18th February 2023.

- Conducted in the one Day Theme Women Centric Challenges on **“Idea Level Project Contest”** Organized by Department of IT,,Sethu Institute of Technology,Pullor, Kariapatti on 6th March 2023.
- Participated in the Online Webinar on **“Artificial Intelligence and Industry 4.0”** Organized by Department of National Institute of Technical Teachers Training and Research, Chennai on 10th March 2023.
- Participated in the Online Webinar on **“Programming Fundamentals using Python-Part 1”** Organized Infosys springboard, on 4th April 2023.
- Presented in the Two Days International Conferences on **“Emerging Trends in Information and Communication Technologies-ETICT 2K23”** Organized by Department of ECE,Sethu Institute of Technology,Pullor, Kariapatti from 5th April 2023 & 6th April 2023.

CONFERENCES/JOURNALS (Ph.D)

- Presented a paper entitled **“Machine Learning based Mobile Data Traffic Prediction in 5G Cellular Networks”** in the 5th International Conference on Electronics, Communication and Aerospace Technology (ICECA-2021) organized by RVS Technical Campus, Coimbatore, India on 2-4, December 2021(Index-Scopus).
- Presented a paper entitled **“Archimedes Optimization Algorithm with Deep Belief Network Based Mobile Network Traffic Prediction for 5G Cellular Networks”** in the 4th International Conference on Smart Systems and Inventive Technology (ICSSIT 2022) organized by Francis Xavier Engineering College, Tirunelveli, India on 20-22, January 2022 (Index-Scopus).
- Submitted a paper entitled **“Intelligent Deep Learning with Humming Bird Optimization Algorithm for Malicious Mobile Data Traffic Detection and Classification”** in the *Engineering Science and Technology*, an International Journal (JESTECH) with Impact Factor 4.36 (Under Review).