DEPARTMENT OF INFORMATION TECHNOLOGY

Name :A.PONMALAR	**Photo:**
Designation	**ASSOCIATE PROFESSOR**
Qualification	**M.E,(Ph.D)**
Area of Specialization	**Faculty of Information and Communication Engineering**
Experience	**UG :16 Yrs 5 Months 3 Days** **PG: Nil**
	Industrial Experience : Nil
No. of workshop / Conferences / FDP attended	**Workshops & FDP : 60** **International Conference :22** **National Conference : 9** **Journal Publications:20**
No. of workshop / Conferences / FDP organized	**Workshops: 1 Webinar:4 FDP:2** **International Conferences:-** **National Conferences : 1**
No. of Funded Projects	1
No. of Research Guidance	30
Membership in Professional Bodies	**ISTE,CSI,IEEE**

PROFESSIONAL EXPERIENCE:

S. No	Organization	Post Held	Number of Years	From	To
1.	Sri Sai Ram Institute of Technology	Assistant Professor	12Years 6Months 25 Days	02/09/2009	Till Date
2.	Tagore Engineering College	Lecturer	11 Months 23 Days	11/06/2008	30/05/2009
3.	Arasu Engineering College	Lecturer	2Years 10 Months 25 Days	10/6/2003	30/4/2006

FACULTY ACHIEVEMENTS:

Publications	Journals	1." Bus Pass Automation System" at CiiT International Journal of Automation and Autonomous System Print: ISSN 0974 – 9659 & Online: ISSN 0974 – 9551,2016. 2." Automatic Garbage Maintenance System" at IJERCSE Vol 3, Issue 9, September 2016 ISSN (Online) 2394-2320. 3." Bus pass and ticket automation system" at IJCERT Volume 3, Issue 8, August-2016, pp. 389-393 ISSN (O): 2349-7084. 4." An innovative parallel storage using proxy re-encryption" at International Journal of Latest Trends in Engineering and Technology Special Issue NCRTCC 2017, pp.014-018 e-ISSN: 2278-621X. 5." Big data stream security and Privacy", IJEECS Journal Vol 6 issue 11, Nov 2017. 6." Phishing Attack in Social Network Environment", Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 14-Special Issue, 2018(SCOPUS INDEXED). 7. "Transparent and Immutable Taxing System Using Block Chain" in International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM).

8. "Efficient Registration of Land using Block Chain Technology"" in International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Vol-8, Issue-2S4, July 2019(SCOPUS INDEXED).

9. Published the paper titled "Intelligent Crime Analysis System using Pyspark" in International Journal of Psychosocial Rehabilitation, Vol. 24, Issue 05, 2020 ISSN: 1475-7192

10. Published the paper titled "Decentralized E-Voting System Based On Blockchain" in International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 05 Issue: 03 | March – 2021, ISSN: 2582-3930.

11. Published the paper titled "Smart borderline Micro-Cannon using surveillance camera and sentry gun
" in Materials Today Proceedings-Elsevier, Volume: Issue: | 23 March – 2021.

12. Published the paper titled "WBAN for e-Healthcare Application: Systematic Review, Challenges, and Counter Measures" in IEEE XPLORE, Volume: Issue: | 21 April – 2021, **ISSN:** 2329-7190(Scopus Indexed).

13. Published the paper titled "Decentralized E-Voting System Based On Blockchain" in International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 05 Issue: 03 | March - 2021 ISSN: 2582-3930.(UGC Approved)

14. Published the paper titled "Expert Skin Disease Identification System Using Machine Learning", Annals of R.S.C.B., ISSN:1583-6258, Vol. 25, Issue 5, 2021, Pages. 2193 – 2197.(Scopus Indexed)

15. Published the paper titled "ENHANCED HEALTH RECORD SHARING USING BLOCKCHAIN", Turkish Journal of Physiotherapy and Rehabilitation; 32(3) ISSN 2651-4451 | e-ISSN 2651-446X.(Scopus Indexed)

16. Published the paper titled "Mobile Application for Hospital Management System," 2021 5th International Conference on Intelligent Computing and Control Systems (ICICCS), 2021, pp. 1434-1437, doi: 10.1109/ICICCS51141.2021.9432286.(Scopus Indexed)

17. Published the paper titled "A multihop protocol using advanced multihop Dijkstras algorithm and tree based remote vector for wireless sensor network" in Journal of Ambient Intelligence and Humanized Computing https://doi.org/10.1007/s12652-021-03548-4, Received: 3 February 2021 / Accepted: 11 October 2021
© The Author(s), under exclusive licence to Springer-Verlag GmbH Germany, part of Springer Nature 2021, published onli 25/10/2021. (SCI Indexed)

18. Published the paper titled "Smartphone Controlled Fingerprint Door Look System (SCFDLS)", Advances in Parallel Computing Technologies and Applications D.J. Hemanth et al. (Eds.) © 2021 The authors and IOS Press.This article is published online with Open Access by IOS Press and distributed under the terms

		of the Creative Commons Attribution Non-Commercial License 4.0 (CC BY-NC 4.0).doi:10.3233/APC210164(Scopus Indexed) 19. Published the 'Technical Paper' entitled "Analysis of SPAM Detection using Integration of Logistic Regression and PSO Algorithm" in the 4th International Conference on ICCCT 2021 held from Dec 16-17 ,2021(Scopus Indexed). 20. Published the 'Technical Paper' entitled "FARM-A-CATION:A support for farmers" in the 4th International Conference on ICCCT 2021 held from Dec 16-17 ,2021(Scopus Indexed).
	Books / Book Chapters / Monographs	1.IT-NSCB 132 "Smart Traffic Control System"-"Seminar on Computing Platforms for Biological Big Data Analytics (NSCB 2020) ISBN -978-93-5288-590-9
	Conferences	1." Multiquality Data Replication with QOS Support for a Distributed Multimedia System" at National Level Conference on 2 Apr 2008 & 3 Apr 2008 at Jaya Engineering College Chennai. 2." Quality Of Service Aware Replication of Multimedia Data base on Distributed Network Environment" at National Level Conference on 16 2008 at Kamarajar College of Engineering and Technology, Virudhunagar. 3." Flexible Rollback recovery in Grid Computing" on 21 Apr 2011 at Sri Sai Ram Institute of Technology Chennai. 4." Heart Disease Diagnosis using Data Mining and Fuzzy Logic" from 27 Nov 2013 to 29 Nov 2013 at Sri Sai Ram Institute of Technology Chennai. 5." An innovative parallel cloud storage using proxy re-encryption" National Conference at Sri Sai Ram Engineering College Chennai. 6." Automatic Garbage Maintenance System" International Conference on Basic Science and Technology at Royal Plaza Chennai. 7." Big data stream security and Privacy", Bangalore Conference- 5th International Conference on Advancement in Engineering, Applied Science and Management (ICAEASM-2017) 8." Smart City System using IoT", National Conference on Recent trends in computing and Information Technology, NCRTCIT'18 held on 22/3/18. 9." Smart Monitoring Hospital using IoT" , National Conference on Recent trends in computing and Information Technology, NCRTCIT'18 held on 22/3/18. 10." Detection of Diabetic Retinopathy by Feature Extraction Using SVM Classifier", International Conference on Smart Structures and Systems (ICSSS 2017) held on 28th March 2018. 11." Phishing Attack in Social Network Environment", International conference on Cognitive IoT with Big data and Cloud ICCIBC'2018 held on 25/10/18 & 26/10/18. 12." Analysis of Crime using PYSpark", International conference on Electrical, Communication and computing, ICECC 2019 held on 12/3/19 & 13/3/19.

| | | 13." Transparent and Immutable Taxing System Using Blockchain", International Conference on Recent Advancements in Interdisciplinary Research, ICRAIR 2019 held on 23/3/19&24/3/19.
14." IoT Based Traffic Automation and Control System with Ambulance Clearance", National Conference on Recent trends in computing and Information Technology, NCRTCIT'19 held on 7/3/19.
15." Accident Preventions During Footboard Travels Based on Photoelectric Sensor", National Conference on Recent trends in computing and Information Technology, NCRTCIT'19 held on 7/3/19.
16.Presented the paper titled "Efficient Registration of Land using Block Chain Technology" in International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems ICAIECES-2019 at SRM Institute of Science and Technology on 11/4/19 to 13/4/19.
17.Presented the paper titled "Attitudes and Perception of IoT Security IN Critical Societal Services" in International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems ICAIECES-2019 at SRM Institute of Science and Technology on 11/4/19 to 13/4/19.
18.Presented the paper titled "Secure Cloud Computing Framework Using Steganography" in International Conference on Computational Science and Technology (ICCST2020) at Sri Sai Ram Engineering College from 5/3/20 to 6/3/20.
19. Presented the paper titled "Intelligent Crime Analysis System using Pyspark" in 8th International Conference On Contemporary Engineering And Technology 2020, iccet'20 at Prince Shri Venkateshwara Padmavathy Engineering College from 14/3/20 to 15/3/20.
20. Presented the paper titled "Skin Disease Identification Using Image Processing And Machine Learning" in 8th International Conference On Contemporary Engineering And Technology 2020, iccet'20 at Prince Shri Venkateshwara Padmavathy Engineering College from 14/3/20 to 15/3/20.

21. Presented the paper titled "Enhanced Health Record Sharing Using Blockchain" in International Conference on Engineering and Applied Technology, ICEAT 2020 at Virtual Conference from 15th to 16th August 2020.
22.presented the 'Technical Paper' entitled WBAN FOR E-HEALTHCARE APPLICATION: SYSTEMATIC REVIEW, CHALLENGES, AND COUNTER MEASURES in the 11th INTERNATIONAL CONFERENCE ON COMPUTER COMMUNICATION AND INFORMATICS 2021 held from 27-29 January 2021.
23.presented the 'Technical Paper' entitled MOBILE APPLICATION FOR HOSPITAL MANAGEMENT SYSTEM in the 5th Intelligent Computing and Control Systems(ICICCS 2021) held from 6-8 May 2021.
24.presented the 'Technical Paper' entitled "Stroke Prediction System Using Artificial Neural Network" in the 6th International Conference on |

		Communications and Electronics Systems(ICCES 2021) held from July 8-10.
		25.presented the 'Technical Paper' entitled "Transparent Solar Panel using Cloud" in the 6th International Conference on Communications and Electronics Systems(ICCES 2021) held from July 8-10.
		26. presented the 'Technical Paper' entitled "Convergence of Cloud and Fog Computing for Security Enhancement" in the 5th International Conference on I-SMAC 2021 held from Nov 11-13 ,2021.
		27. presented the 'Technical Paper' entitled "Analysis of SPAM Detection using Integration of Logistic Regression and PSO Algorithm" in the 4th International Conference on ICCCT 2021 held from Dec 16-17 ,2021.
		28. .presented the 'Technical Paper' entitled "FARM-A-CATION:A support for farmers" in the 4th International Conference on ICCCT 2021 held from Dec 16-17 ,2021.
		29. presented the 'Technical Paper' entitled "Implementing Virtual Personal Assistant through Artificial Intelligence Requirements" in the International Conference on IC3IoT-2022 held from March 10-11 ,2022.
		30. presented the 'Technical Paper' entitled "Collaborative Product Recommendation System for E-Commerce Websites" in the International Conference on IC3IoT-2022 held from March 10-11 ,2022.
		31. presented the 'Technical Paper' entitled "IoT Enabled Inexhaustible E-Vehicle using Transparent Solar Panel" in the International Conference on IC3IoT-2022 held from March 10-11 ,2022.
Events organized		1.Faculty Development Program titled "Data Science And Big Data Analytics" (19-06-17 To 24-06-17) Organized. 2. One Day Awareness Seminar on "How To Plan for Startup-Legal And Ethical Steps" on 18th Feb 2020. 3. Nice'11 National Conference organized. 4.Webinar Series on "Promoting Employability Skills" from 18/5/20 to 24/5/20. 5.One day Orientation Talk for Second year students on 25/6/2020. 6.One day Webinar on Research Grant "How to write proposals" on 26/6/2021. 7.Six days FDP on "Ambient Intelligence in Deep Learning" held from 26/7/2021 to 31/7/2021.
Events attended		1.Workshop on NS2" from 16 Feb 2008 to 18 Feb 2008 at Jaya Engineering College Chennai. 2." Workshop on "Intellectual Property Rights" on 16 Sep 2006 at Jaya Engineering College Chennai. 3." Workshop on IBM Trivoli Storage Manager Express" on 22 Oct 2008 at Tagore Engineering College Chennai. 4." Workshop on Mentoring" on 21 Nov 2008 at Tagore Engineering College Chennai. 5." Workshop on Art Of Journal and Thesis Writing" on 19 Jan 2012 at Sai Ram Engineering College Chennai.

	6." Faculty Development Program on RIPPLE 2011" from 17 Feb 2011 to 18 Feb 2011 at CTS Chennai. 7." Faculty Development Program on Soft Computing with AI" from 15 Sep 2011 to 28 Sep 2011 at Sri Sai Ram Institute of Technology Chennai. 8." Faculty Development Programon Web Services" from 2 Nov 2011 to 3 Nov 2011 at Sai Ram Engineering College Chennai. 9." Faculty Development Program on Recent Trend In SOA" from 5 Jan 2012 to 6 Jan 2012 at Sai Ram Engineering College Chennai. 10.Faculty Development Program on"Design and Analysis of Algorithms" from 17 Dec 2014 to 23 Dec 2014 at Vel Tech High Tech Dr.RR and Dr.SR Engineering college Chennai. 11.Faculty Development Programon "Cloud Computing" on 5 May 2014 at Sai Ram Engineering College Chennai. 12.Faculty Development Program on "Cloud Computing and Big Data" from 8 Dec 2014 to 9 Dec 2014 at Sai Ram Engineering College Chennai. 13.Workshop on "How To Write Research Paper on Refreed Journal" on 24 Jan 2015 at Sri Sai Ram Institute of Technology Chennai. 14.Faculty Development Program on "Introduction to PHP and MYSQL" from 18 Jun 2015 to 19 Jun 2015 at Sri Sai Ram Institute of Technology Chennai. 15.Faculty Development Programon Software Testing" on 14 Nov 2014 TCS Chennai. 16. Faculty Development Program on "A Step toa Outcome Based Accreditation" on 4 Apr 2015 at Sri Sai Ram Institute of Technology Chennai. 17.Faculty Development Program on Computer Networks" 6 Jan 2016 to 13 Jan 2016 at Sri Sai Ram Institute of Technology Chennai. 18.Faculty Development Program on "Data Mining Lab" from 17 Jun 2016 to 18 Jun 2016 at SRR Engineering College Chennai. 19.Faculty Development Program on "Data Science and Big Data Analytics" from 19 Jun 2017 to 24 Jun 2017. 20.Faculty Development Program on "Problem Solving and Python Programming" from 5/6/18 to 6/6/18 at Sri Sai Ram Institute of Technology Chennai. 21.Faculty Development Program on Engineering Teaching Pedagogy and Effective Learning Process" from 3/12/18 to 7/12/18 at Sai Ram Engineering College Chennai. 22. NPTEL AICTE Faculty Development Program on "Cloud Computing and Distributed Systems" Aug to Oct 2018(1 week). 23. NPTEL AICTE Faculty Development Program on "Big Data Computing" during Jan to Apr 2019. 24. NPTEL AICTE Faculty Development Program on "Data Analytics using Python" during Feb to Apr 2021. 25. Faculty Development Program on "Block Chain Technology" at IITROORKEE from 21 Apr 2020 to 28 Apr 2020.

	26. AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence" from 30-04-2020 to 04-05-2020 at College of Technology and Engineering, Udaipur.
	27. AICTE Training And Learning (ATAL) Academy Online FDP on "Data Sciences" from 25-05-2020 to 29-05-2020 at Indian Institute of Information Technology Vadodara.
	28. Online 7 days FDP on "Machine and Deep Learning using Python" from 14/5/20 to 20/5/20 at Panimalar Institute of Technology in association with AICL.
	29. AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence" from 08-06-2020 to 12-06-2020 at IIIT Delhi.
	30. AICTE Training And Learning (ATAL) Academy Online FDP on "Quantum Computing" from 15-06-2020 to 19-06-2020 at NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, CHANDIGARH.
	31. AICTE Training And Learning (ATAL) Academy Online FDP on "Blockchain" from 22-06-2020 to 26-06-2020 at JNTUA COLLEGE OF ENGINEERING (AUTONOMOUS), PULIVENDULA.
	32. AICTE Sponsored Six Days Short Term Training Programme on "Cognitive Inspired Computing for Machine Intelligence" during 24th August 2020 to 29th August 2020(Hindustan college)
	33. AICTE Training And Learning (ATAL) Academy Online FDP on "Big Data Analytics with Deep Learning " from 2020-8-18 to 2020-8-22 at Poornima Institute of Engineering & Technology.
	34. Two weeks online FDP on "Recent Advances in Technical Domains" from 24/8/2020 to 07/09/2020[5pm-6pm] at SRM Institute of Science and Technology,Ramapuram.
	35. AICTE Training And Learning (ATAL) Academy Online FDP on "Blended Learning and Flipped Classroom" from 2020-8-10 to 2020-8-14 at SardarVallabhbhai National Institute of Technology Surat.
	36. participated in DEEP LEARNING FOR COMPUTER VISION - HANDS ON organised by Department of Computer Science and Applicattions, SRM Institute of Science and Technology, Ramapuram, Chennai from 02.11.2020 to 06.11.2020 in Online Mode
	37. participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Big Data Analytics" from 2021-1-25 to 2021-1-29 at Siddhartha Institute of Engineering & Technology
	38. participated& completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Cyber Security" from 2021-2-8 to 2021-2-12 at Coimbatore Institute of Technology.
	39. participated& completed successfully AICTE sponsored STTP on "Block Chain Technology and its Applications" from 2021-2-8 to 2021-2-13 at Panimalar Institute of Technology.

	40. participated& completed successfully Two week AICTE sponsored FDP on "Artificial Intelligence and Ambient Intelligence" from 2021-2-15 to 2021- 2-27 at Hindustan Institute of Technology & Science. 41. participated in the Webinar on "RESTful Web Services" organized by the Department of Information technology, Bharath Institute of Higher Education and Research, Chennai-73, held on 25.02.21 42. This is to certify that , Mrs. Ponmalar A, Assistant Professor of Sri Sai Ram Institute of Technology , has attended Virtual Workshop titled "Virtual Reality for Human-Computer Interaction with Hands-On " , on 4th & 5th Feburary 2021, Organised by Department of Software Engineering, SRM Institute of Science and Technology, Kattankulathur-603 203. 43.This is to Certify that Ms.A.PONMALAR of SRI SAI RAM INSTITUTE OF TECHNOLOGY has participated in the AICTE Sponsored Six Days online Short Term Training Program on "Internet of Things and its Applications [Phase-II]" held during 16th - 21st November 2020.(SRM ValliammaiEngg College) 44.Participated in Two-Week Online AICTE sponsored Faculty Development Program on Data Science using Python organized by Department of Information Technology, Shri Vishnu Engineering College for Women, Bhimavaram, India held during 23-11-2020 to 05-12-2020. 45. This is to certify that PONMALAR A SRI SAI RAM INSTITUTE OF TECHNOLOGY, CHENNAI Participated in the Online Webinar on "Outcome Based Teaching Learning Process in Technical Education" Conducted by this Institute on 06.05.2021 46. Faculty Development Program on "Block Chain Technology" at IITROORKEE from 21 Apr 2020 to 28 Apr 2020. 47.Five days FDP ON "OPEN SOURCE TOOLS FOR DATA ANALYTICS" FROM 24/5/21 to 28/5/21 at Sairam Engineering College,Chennai. 48.Six days FDP on " Ambient Intelligence in Deep Learning" from 26/7/21 to 31/7/21 at Sri Sai Ram Institute of Technology,Chennai. 49.Five days FDP on "Data Analytics on Health Care Applications" from 2/8/21 to 6/2/21 at VIT,Chennai. 50.FDP on "Applied Machine Learning,AI and its Applications using Python" 30 hours online Instructor-led Training from Aug 9'2021 to Aug 24'2021 organized by EduxLabs in association with E-cell IIT Hyderabad. 51. This is certified that Ponmalar A, Associate Professor of Sri Sai Ram Institute of Technology participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Next-Generation Applications of Artificial Intelligence and Machine Learning for Smart IoT Applications (NxGA-AIM 2021)" from 18/10/2021 to 22/10/2021 at New Horizon College of Engineering.

| | 52. This is certified that A.Ponmalar, Associate Professor of Sai Ram Institute of Technology participated &
completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "
Leading Self to Excellence" from 15/10/2021 to 19/10/2021 at Indraprastha Institute of Information
Technology, Delhi.
53. This is certified that Ponmalar A, Assistant Professor of Sri Sai Ram Institute of Technology participated &
completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "
Interdisciplinary Smart Application of Internet of Things, Cloud Computing and Data Analytics
Technologies" from 04/10/2021 to 08/10/2021 at School of Studies in Engineering and Technology.
54. This is certified that A.Ponmalar, Associate Professor of Sri Sai Ram Institute of Technology participated &
completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "
Malware Data Science with Deep Learning" from 25/10/2021 to 29/10/2021 at Rajkiya Engineering College
Ambedkar Nagar
55. Participated in Five Days Virtual Faculty Development Programme on "Deep Learning in Healthcare" held from 25th October 2021 to 29th October 2021 at Sri Sai Ram Institute of Technology.
56. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "
OBJECT DETECTION AND RECOGNITION USING DEEP LEARNING TECHNIQUES" from
08/11/2021 to 12/11/2021 at KL Deemed to be University, off campus
57. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "
Deep Learning for Natural Language Processing" from 15/11/2021 to 19/11/2021 at Bhilai Institute of
Technology Durg.
58. A.Ponmalar, Associate Professor of Sri Sai Ram Institute of Technology participated & completed
successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Advance Statistical & Machine
Learning Models (ASMLM-2021)" from 15/12/2021 to 19/12/2021 at Indian Institute of Information Technology Ranchi.
59.participated & completed
successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Introduction To Deep Learning" from |

| | 20/12/2021 to 24/12/2021 at University Visvesvaraya College of Engineering.
Advisor-I, ATAL Academy
Mamta Rani
60. Attended   "National Webinar on Insights of Paper Publication" held on 29th Janurary,2022.

Online Certification Courses:
1.SkillUp Online and Nasscom Online Course Certificate for "Foundational Artificial Intelligence" completed on Apr-3-2020.
2.Digital Vidya – Future Skills Online Course Certificate for "Big Data Foundation Course" completed on Mar-31-2020.
3.Udemy Online Course Certificate for "JAVA Programming Fundamentals" completed on Apr-5-2020.
4. Udemy Online Course Certificate for "The Complete Data Science and Machine Learning using Python" completed on Nov-25-2019.
5. Udemy Online Course Certificate for "Big Data and Hadoop Essentials" completed on Nov-1-2019.
6. CognitiveClass (IBM initiative) Online Course Certificate for "Hadoop 101" completed on Nov-2-2019.
7. CognitiveClass (IBM initiative) Online Course Certificate for "SQL and Relational Databases 101" completed on Nov-2-2019.
8. CognitiveClass (IBM initiative) Online Course Certificate for "Python for Data Science" completed on Nov-2-2019.
9. 365 Certificate for "Introduction to Data and Data Science" completed on Apr-11-2020.
10. SimpliLearn Online Course Certificate for "Introduction to Data Analytics" completed on Apr-11-2020.
11. SimpliLearn Online Course Certificate for "Introduction to Project Management" completed on Apr-17-2020.
12. SimpliLearn Online Course certificate for "Introduction to Cyber Security" completed on Apr-19-2020.
13. SkyCampus: Digital Knowledge Series : Season 1 Webinar Certificate(ICTACADEMY) for "Technology for Future" from 9/4/2020 to 18/4/2020(9 days)
14. Spoken Tutorial Training on "Python 3.4.3" organized at Adhiparasakthi Engineering College in January 2020 Semester.
,2022.

SkillRack Certifications:
1. SkillRack Certificate for "Java Basics – Programming Course" (Hands - On) completed on Mar-30-2020.
2. SkillRack Certificate for "C – Programming Course" (Hands - On) completed on Mar-29-2020. |

	3. SkillRack Certificate for "SQL Basics" (Standard) completed on Mar-30-2020. 4. SkillRack certificate for"Kickstart (Code Solution) "completed on Apr-10-2020. 5. SkillRack Certificate for "Python 3.X – Programming Course" (Hands - On) completed on Apr-18-2020. 6. SkillRack Certificate for "C-Intro (Code Solution)" completed on Apr-19-2020. 7.SkillRack Certificate for "Data Structures-C Course" (Hands - On) completed on Apr-18-2020. Nptel Course: 1.Nptel Online Certification "BIG DATA COMPUTING" Feb-Apr 2019 2.Nptel Online Certification "DISTRIBUTED AND CLOUD COMPUTING" Aug-Oct 2018. 3.Nptel Online Certification "Cloud Computing" from Feb-Apr 2020. 4. Nptel Online Certification "Machine Learning" from Feb-Apr 2020. 5. Nptel Online Certification "Data Analytics using Python" from Feb-Apr 2021(Elite+Silver Certified). Dell EMC Course: 1.Successfully completed the requirements for EMC Academia Associate,Data Science and Big Data Analytics on March 17,2018. Certification Courses: 1. Successfully completed MDC (Master Diploma in Computer Hardware& Networking on Apr 30,2003. 2. Successfully completed ORACLE 8.0/DEV 2000 in Verbatim Computer College from June 1999 to July 1999. 3. Certified Software Test Professional in STC Technologies in the year of 2002.
Awards Received	"Staff Appreciation Award" for the academic year 2018-2019 and received Cash prize from the Management. Produced 100% Results in the following subjects 1.Data Structures and Algorithms 2.Artificial Intelligence 3.Programming and Data Structures II 4.Computer Graphics 5.Cryptography and Network Security 6.Data Warehousing and Data Mining 7.Design and Analysis of Algorithms 8.Operating Systems 9.Professional Ethics in Engineering 10.Total Quality Management 11.Software Project Management

	12.Data Base Management Systems 13.Software Testing Nptel Online Certification "Data Analytics using Python" from Feb-Apr 2021(Elite+Silver Certified). Appreciation Certificates: 1.Guest Speaker on "Compiler and its Applications" held on Feb 23,2008 at Hindustan Institute of Technology and Science. 2. presented a lecture on the topic "IoT And Big Data" on 02.02.2021 in the AICTE sponsored short term training programme on Green IOT for Smart Environment organized by Department of Computer Science and Engineering of Panimalar Institute of Technology, conducted on 1st February to 6th February 2021 3. presented a lecture on the topic "Enabling technology for GreenIoT " on 15.03.2021 in the AICTE sponsored short term training programme on Green IOT for Smart Environment organized by Department of Computer Science and Engineering of Panimalar Institute of Technology, conducted on 15th March to 20th March 2021 4. Guest Speaker on "R programming" held on March,2022 at Panimalar Institute of Technology. 5. Recognition of project guidance entitled "SMART STREET LIGHT WITH ACCIDENT PROTECTION SYSTEM USING IOT" in the "5th National Level IEEE Project Competition-2021" Organized by IEEE Student Branch (STB17861), GSSSIETW in association with IEEE Bangalore Section and IEEE Mysore Subsection on 26th June 2021.
Details on Funded Projects	Sanctioned Rs1, 00,000 from IEDC for the project titled "Auto Navigation Drone System" in the year 2018-2019. The Auto Navigation Drone System Project selected for DSCT Innovation Festival – 2020 and shortlisted to showcase the product in the "Technology Exhibition 2020 cum Training Programmer", Anna University during 27th – 29th February 2020.
Details on Thesis	
Details on Research Guidance	Smart India Hackathon-Mentor for SIH Event Motivated students to participate Smart India Hackathon conducted from 1st August 2020 to 3rd August 2020 in Hindustan Institute of Technology, Coimbatore. Project selected for Technical Exhibition 2020 cum Training Programmer Mentorship Motivated students to participate and present the project "Auto Navigation Drone System" held at Anna University, Chennai during 27-29 Feb 2020

	Projects selected for 'Innovation Festival 2020' at District Science center Tirunelveli

Motivated students to participate and present the project "Auto Navigation Drone System" held at 'Innovation Festival 2020' at District Science center Tirunelveli during 23-25 January 2020.

Project shortlisted for MHRD Institution's Innovation Council

Motivated students to participate and present the project "TRILOCHAN SMART STICK" held at MHRD Institution's Innovation Council 2020'

Project submitted for MHRD Institution's Innovation Council

Motivated students to participate and present the project "Travel Expenses" held at MHRD Institution's Innovation Council 2020'

IEDC project Short listed for funding for the year 2019 – 2020

Motivated students to participate and present the project "Portable – Altitude Based Wind Energy Generation System For Domestic Use" held at Innovation And Entrepreneurship Development Centre (IEDC) (Sponsored by Department of Science and Technology, New Delhi.)

Applied for **Chhatra** Vishwakarma **Awards - 2020**-VISH202011237(Application Number)

Motivated students to participate and present the project "Hawk Eye" held at Innovation And Entrepreneurship Development Centre (IEDC) (Sponsored by Department of Science and Technology. New Delhi.) Status-Shortlisted for the next Round

Applied for **PoornimaHackathon 2021** Motivated students to participate and present the project "Wrecking Crew" held at Rajasthan. Status-Under Review

Applied for **PoornimaHackathon 2021** Motivated students to participate and present the project "Hawk Eye" held at Rajasthan. Status-Won Second Prize |

	Project project guidance-5th National Level IEEE Project Competition-2021
	Motivate students to present the project entitled "**Smart Street Light With Accident Protection System Using IoT**" in the "5th National Level IEEE Project Competition-2021" Organized by IEEE
	Reviewer of this manuscript Ref.: Ms. No. JIFS-202188 Fuzzy Logic Based Delay Aware Routing Protocol for the Internet of Things Journal of Intelligent & Fuzzy Systems 2. Reviewer of this manuscript Manuscript Number: BIGD-D-21-00010 Title: Leveraging fine-grained mobile data for churn detection through Essence Random Forest submitted to: Journal of Big Data
	1.Sanctioned Rs1, 00,000 from IEDC for the project titled "Auto Navigation Drone System" in the year 2018-2019 and Filed Patent-202041051703(Under Examination)-IPR Date of Submission: 27-11-2020
	2. Granted Patent- 2021100879-AusPat Date of Submission: 11-03-2021 Date of Grant:22-04-2021
	3."EFFECTIVE SMART STICK FOR ASSISTING BLIND PEOPLE WITH ALERT BASED OBJECT IDENTIFICATION AND RECOGNITION OF ROUTE USING IoT" in the year 2021-2022 and Filed Patent- 202141041804 (Published)-IPR Date of Submission: 06/09/2021 4." CATEGORIZATION OFCOMMUNICATION NETWORKING PROTOCOL ON MALICIOUS NETWORK TRAFFIC MECHANISM USING MAC" in the year 2020-2021 and Filed Patent- 202141059363 (Published)-IPR Date of Submission: 20/12/2021