Name: Dr. S. DEIVANAYAGI	**Photo**		
Designation:	ASSOCIATE PROFESSOR		
Qualification:	Ph.D		
Area of specialization:	Digital Image Processing, Signal Processing, ML & DL		
Experience:	**Industrial Experience**		**Teaching Experience**
	Nil		24 years
Number of workshops / FDP attended:	**Number of Workshops**		**Number of FDPs**
	10		42
Publications:	**Conference**		**Journal**
	National	**International**	**National**	**International**
	7	14	2	12
Books / Book Chapters	02		
Patents:	**National**		**International**
	04		
Professional Body Membership	03		
Staff Achievements	● Achieved NPTEL Domain Scholar certificate, NPTEL Believer, Enthusiast and Motivated Learner certificate, NPTEL Discipline Stars certificate		
	● One of the 56 Top performing and most popular mentors 2021, Most Consistent Mentor of 2021		
	● Achieved 100% results		

Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks/ Grades obtained	Class obtained
UG	B.E	ECE	2000	Maharaja Engg College	Bharathiyar University	74.5	First
PG	M. Tech	BIOMEDICAL ENGG	2006	Indian Institute of Technology	IITM, Chennai	8.62	First
PhD	Ph.D	Information communication	2024	Anna University	Anna University	8.5	First

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
K.S.R College of Technology	Lecturer	11.06.2001	30.11.2003	2	5	22
K.S.R College of Engineering	Lecturer	01.12.2003	30.06.2008	4	7	3
	Assistant Professor	01.07.2008	30.06.2010	1	11	4
	Assistant Professor-1	01.07.2010	10.11.2010	0	4	12
Sri Sai Ram Institute of Technology	Assistant Professor	02.02.2011	01.01.2016	4	11	4
	Associate Professor	01.01.2016	27.08.2025	9	7	27
Sri Sairam Engineering College	Associate Professor	28.08.2025	Till date	0	6	02
				24	3	14

Workshops/Seminars attended:

1. Workshop on "Teaching technology and counseling skills" at K.S.Rangasamy college of Technology during 05.10.2002 to 06.10.2002.

2. Workshop on "Digital Image and Video Processing" at National Institute Of Technology,

Trichy during 07.11.2008, 08.11.2008 & 09.11.2008.

3. Workshop on "Advancements In Digital Signal And Image Processing" at K.S.R College of Engineering on 03.02.2009.

4. Workshop on "MISSION 10X training" at K.S.R College of Engineering during 03.08.2009 to 07.08.2009.

5. Workshop on "High Impact Teaching Skills" at K.S.R College of Engineering WIPRO (MISSION 10X) 03.08.2010 & 04.08.2010

6. Workshop on "Art of Journal and thesis writing" at Sri Sairam Engineering College on 19.01.2012.

7. Workshop on "Robo Zest '14" at Robo Species Technologies at Sri Sai Ram Institute of Technology during 20.02.2014 & 21.02.2014.

8. Workshop on "How to write Research papers on Refereed Journals" at Sri Sai Ram Institute of Technology on 24.01.2015.

9. Workshop on "Recent trends in renewable energy" at Sri Sai Ram Institute of Technology on 03.03.2015.

FDP/STTP Attended:

1. FDTP on Adhoc networks on Adhoc networks during 07/06/17-14/06/17 at S.A Engineering College, Chennai.

2. FDTP on "Digital Image Processing, RF & Embedded System'" at Sree Sastha Institute of Engineering & Technology during 20-22 JUNE 17

3. Anna University Sponsered FDP on "Computer Networks" at K.S.R College of Engineering, during 27.11.2006 to 09.12.2006

4. UGC Sponsered Refresher Course in "VLSI design" at Amrita Vidya Viswapeetam during 05.12.2007 to 15.12.2007

5. Training program on " Teaching methodologies and Pedagogy" at IITM, Chennai during 06.12.2004 to 11.12.2004

6. "IEEE Sponsored FDP On "Semiconductor Devices And Analog Circuits" at IITM, Chennai during 24.11.2007 & 25.11.2007.

7. AICTE Sponsered STTP on "Recent Trends in Signal Processing" at K.S.R College of Engineering during 19.03.2007 to 23.03.2007.

8. Training program on "Quality management system and audit training" at at Sri Sai Ram Institute of Technology on 18.10.2011.

9. SDP on "Soft computing with AI" at Sri Sai Ram Institute of Technology during 15.09.2011 to 28.09.2011

10. Faculty Enablement Program on "A Step to Outcome based Accreditation" at Sri Sai Ram Institute of

Technology on 04.04.2015.

11. FDP on "Electromagnetic field theory and transmission lines" at Sri Sai Ram Institute of Technology during 25.06.2015 & 26.06.15.

12. FDP on "Crypt Analysis & Internet Security" at Sri Sai Ram Institute of Technology during 27.06.2016 to 29.06.2017.

13. FDP on "Digital Image processing, RF & Embeddded System" at Sree Sastha Institute of Engineering and Technology during 20.06.2017 to 22.06.2017.

14. FDP on "Modern teaching and learning methodologies for competency developement" at Jeppiaar Maamallan Engineering college during 03.05.2017 to 04.05.2017.

15. FDTP on "CS6003-ADHOC and sensor network" at S.A.Engineering college, Chennai at 07.06.2017 to 14.06.2017.

16. STTP on "Advanced antenna and RF Technologies for 5g and IoT" Hindustan institute of technolgy and science, 17.08.2022 to 22.08.2022

17. AICTE - ISTE Sponsored, Induction/Refresher Programme on "Feature Analysis Using AI/ML" from 19.10.2020 to 24.10.2020, Sri Krishna College of Engineering and Technology

18. FDP on Research perspective in Machine Intelligence and Computing" at Sri Sairam Institute of technology, 27.10.2020 to 31.10.2020

19. AICTE Training And Learning (ATAL) Academy Online FDP on "Health management" from 2021-1-4 to 2021-1-8 at Shaheed Bhagat Singh State Technical Campus, Ferozepur

20. AICTE Training And Learning (ATAL) Academy Online FDP on "Cyber Security" from 2021-2-8 to 2021-2-12 at Coimbatore Institute of Technology.

21. AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 2020-9-14 to 2020-9-18 at Dr MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY.

22. STTP on " Deep learning based analysis of Images and Videos using Python", KIT-Kalignarkarunanithi Institute of Technology, Coimbatore, 23.11.202 to 28.11.2020

23. AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 2020-11-2 to 2020-11-6 at GOVERNMENT ENGINEERING COLLEGE RAJKOT.

24. AICTE Sponsored One Week Online Short Term Training Programme (STTP) Series - 04 on " Long Range (LoRa) Wireless Area Networks: A Futuristic Approach " Organized by Department of Electronics and Communication Engineering from 07..12.2020 to . 12.12.2020, KSR Institute of engineering and technology, Tiruchengode

25. STTP on "Assessment in engineering Eductaion: A pedogoical Approach" Velammal institute of technology, 14.12.2020 to 19.12.2020

26. AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things(IoT)" from 11-05-2020 to 15-05-2020 at GOVERNMENT COLLEGE OF ENGINEERING SRIRANGAM, TRICHY.

27. STTP on "mmWave antenna Design and testing or Biomedical Applications" from 03.05.2021 to 08.05.2021 at Rajalakshmi Institute of Technology, Chennai

28. STTP on "Artificial Intelligence" 24.05.2021 to 28.05.2021 at Sanskrit school of engineering, Puttaparthi.

29. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Recent Trends In Digital Image Processing" from 2021-06-07 to 2021-06-11 at Poornima Institute Of Engineering & Technology

30. AICTE FDP on "Inculcating Human Values in Tehnical Education" from 28.06.2021 to 02.07.2021

31. FDP on "Recent trends in Information, Computing, Communication and Teaching methodology competency" from 04.05.2020 to 17.05.2020

32. FDP on "Advanced simulation tools for Electronics Engineering" from 27.04.2020 to 01.05.2020, S.A. Engineering College, Chennai

33. FDP on "Entrepreneurship career development program" held from 08.04.2019 to 12.04.2019 at Sri SAirm Institute of Technology

34. AICTE sponsored FDP on "Emerging Technologies in Wireless Communication and networks with handson training in Advanced Simulators" from 19.11.2019 to 02.12.2019 at Dhanalakshmi College of Engineering, Chennai

35. FDP on "Intorduction to Artificial Neural Networks" 08.02.2022 at Christ King engineering College, Coimbatore

36. FDP on "Embedded System Design using Intel SoC FPGAs" from 01.02.2022 to 05.02.2022 at SSN College of Engineering in association with INTEL technologies, Bengaluru

37. FDP on "Signals, Systems and Transform Techniques" during 22nd - 27th November 2021, Maturi Venkata Subba Rao (MVSR) Engineering College (Autonomous), Hyderabad.

38. AICTE - ISTE sponsored Refresher/Induction Programme on "FPGA for Low Power IoT" from 06.12.2021 to 11.12.2021 at SRM VALLIAMMAI ENGINEERING COLLEGE

39. Faculty Development programme on "Research Innovations and Emerging Advances in Electrical Engineering" Easwari Engineering College from 05th to 12th Jan 2023.

40. Two weeks FDP on "Data Science Tools" from 07.10.2022 to 20.10.2022 at Eswari Engineeing College, Chennai

41. Professional Development Programme on "Circuit Creation, Analysis, Simulation and PCB design using Multisim" NITTTR, Chennai from 03.06.2024 to 07.06.2024

42. Professional Development Programme on "Multisim/Simulink for Engineering Applications"

NITTTR, Chennai from 11.09.2023 to 15.09.2023

Conference Attended:

1. International Conferences:

1. S.Deivanayagi, Sandhya.C.D, Komali.C.N, Athira Menon.M, "Design and Implementation of Voice Recognition System Using Beaglebone" Third International Conference on Innovative and Emerging Trends in Engineering and Technology at Panimalar Institute of Technology, 09th and 10th march 2018.

2. S.Deivanayagi, R.Priya, K.Pooja, P.Mohanapriya, M.Shyamala, "A Unique Methodology To Find Last Object Frequency Signal" International conference on Innovation in signal processing and Communication at ARM College of Engineering and technology, Marai Malai Nagar, Chennai, India, 2018.

3. S.Deivanayagi, D.Pushgara Rani, "Hypolipedimic and Anti-Atherosclerotic effects of neutroceuticals" International Conference on contemporary challenges in Engineering and Management at ARM college of Engineering and Technology, Marai Malai Nagar, Chennai, India, 2017.

4. D.Pushgara Rani, S.Deivanayagi, "Emergency Automatic Signaling System" International conference on Advanced Computing & Communication Systems, at Sri Eshwar Collge of Engineeirng, Coimbatore, Tamilnadu, India, 2017.

5. G.Venkatesh Prasad, S.Deivanayagi, "Pelvic Assist Manipulator" in the Second International Conference on Contemporary Challenges in Engineering and Management, 2015, ARM college of Engineering and Technology, Marai Malai Nagar, Chennai, India.

6. Design and implementation of voice recognition using Beglebonene, S.Deivanayagi, Sandhya.C.D, C.N.Komali, Arithra menon, Third international conference on innovative and emerging trends in Engineering and technology, Year 2018

7. Hypolepidimic and anti atherosclerotic effect of neuroceuticles, S.Deivanayagi, D.Pushgara Rani, International conference on contemporary challenges in Engineering and management , Year 2017.

8. Detection and Classification of Muscular Fatigueness on Upper Extremities using Surface EMG Electrode Interfaced with Labview Sundari, K.T., Giri, R., Durgadevi, S., Deivanayagi, S., Srivarsha, U. 2022 1st International Conference on Computational Science and Technology, ICCST 2022 - Proceedings, 2022,pp. 147–152

9. Portable ECG Device Detecting Abnormalities Using Deep Learning, Deivanayagi S.;Giridharan D.;Alvin Kennedy S.;Dharshan R.E., 2025 International Conference on Computing and Communication Technologies Iccct 2025, Year 2025, DOI:10.1109/ICCCT63501.2025.11020377

10. Pipe Inspection and Cleaning Robot, Sundari K.T.;Deivanayagi S.;Nandhini S.;Vijayalakshmi

R.;Gayathri A.;Swathi K., 4th International Conference on Power Energy Control and Transmission Systems Harnessing Power and Energy for an Affordable Electrification of India Icpects 2024, Year 2024, DOI:10.1109/ICPECTS62210.2024.10780042

11. Smart Menu Ordering System, Deivanayagi S.;Sundari K.T.;Kerutheka A.;Kokilavani, 4th International Conference on Power Energy Control and Transmission Systems Harnessing Power and Energy for an Affordable Electrification of India Icpects 2024, Year 2024, DOI:10.1109/ICPECTS62210.2024.10780283G.M.;Sowmiya S.

12. Controller optimization for a single tank liquid level system, Sundari K.T.;Durgadevi S.;Sruthi S., 3rd International Conference on Power Energy Control and Transmission Systems Icpects 2022 Proceedings, Year 2022, DOI:10.1109/ICPECTS56089.2022.10047574

13. Detection and Classification of Muscular Fatigueness on Upper Extremities using Surface EMG Electrode Interfaced with Labview, Sundari K.T.;Giri R.;Durgadevi S.;Deivanayagi S.;Srivarsha U., 2022 1st International Conference on Computational Science and Technology Iccst 2022 Proceedings, Year 2022, Pages 147-152, DOI:10.1109/ICCST55948.2022.10040449

2. National Conferences:

1. S.Deivanayagi, Sandhya.C.D, Komali.C.N, Athira Menon.M, "Review On Design And Implementation Of Voice Recognition System Using BeagleBone", National Conference on Advanced Research and Innovations in Information and Communication Engineering at Sri Sairam Institute of Technology, Chennai, April 2018.

2. S.Deivanayagi, D.Pushgara Rani, on "Anti Atherosclerotic effect of Spermococe Hispida with Immuno Hostochemical Evidences" in National Conference on Information and Communication Engineering held during April 21st , 2017 at Sri Sai Ram Institute of Technology,Chennai.

3. S.Deivanayagi, D.Pushgara Rani, "Hypolipedimic and Anti-Atherosclerotic effects of neutroceuticals" in National conference on Smart Traffic and Parking Infrastructure Solutions held on 20th February 2017.

4. S.Deivanayagi, Dr.M.Manivannan, Dr.P.Arul Mozhi, G.Thamarai Selvi on "EEG Analysis during Hypnosis" Proceedings of National Conference on Communication and Nanao-Electronics Technology, 2011, Sri Sai Ram Institute of Technology, Chennai, India.

5. T.Chinthu, V.Nirmal Virginia, S.Deivanayagi, , "Online and remote motor energy monitoring and fault diagnostic using WSN" in the First National conference on Industrial Technology, 2010, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, India.

6. AI based threat intrusion detection with hyper paraoptimization, S.Deivanayagi, Ranjana.S, T.Shrruthipriya, ARICE 2020, Year 2020

7. Vehicular Pollution Risk Management, S.Deivanayagi, Vishall. V, Navarasu, Nithiah Senan, ARICE

2020, Year 2020

Patent:

1. Published a patent titled "Vehicular Pollution Monitoring And Risk Management System" S.Deivanayagi,D.Pushgara Rani,V.Vishal,R.Nithish Senen,G.Navarasu

2. Published a patent titled "Agi sense Pro Robot" Sri Sairam Institute of Technology, Dr.G.Saravanan, Mrs. R.Lakshmidevi, Mrs.S.Deivanayagi, Pandrangi Jahnavi, J.Aparna, C.Varshini

3. " IOT ENABLED HEMOGLOBIN ANALYSER", Dr R.E Ugandar, Mrs Deivanayagi S, Dr. Rajendiran M, Dr Ashok Kumar, Mrs D Jyothirmai, Ms V Sathiya

4. "Integrated Monitoring And Evaluation Of Human Physiological Functions Through EEG,ECG, and EMG" Dr.S.Deivanayagi, Dr.G.Saravanan, P.Karthiga, R.Santhiya, R.Suhanthee

Journal Publications:

1. S.Deivanayagi, Dr.M.Manivannan, Dr. Peter Fernandez "Spectral Analysis of EEG signals during Hypnosis", International Journal of Systemics, Cybernetics and Informatics, 2007.

2. S.Deivanayagi, Dr.M.Manivannan, D.Pushgara Rani "Spectral Analysis of EEG signals uring Hypnotic Analgesia" International Journal of Applied Engineering Research, Volume 10, Number 75, 2015.

3. Dr. Arul Mozhi P, Pattarayan R, Deivanayagi.S, Banumathy.V "Analytical Standardization of Brahmi Nei and Effect of Siddha Methodologies on Spasticity in Cerebral Palsy" International Journal of Current Research in Medical Sciences, ISSN: 2454-5716, Volume 2, Issue 10 -2016 pp 82-89.

4. Deivanayagi. S, N.Sowmya, A.Rajaseethala, S.Shamini, S.Sornalakshmi "SELF DETECT COLLISION AVOIDANCE IN AIRCRAFT USING RSSI" International Journal Of Science And Innovative Engineering & Technology, MAY 2017 ISSUE VOLUME 3

5. Arul Mozhi P., Pattarayan R., Deivanayagi.S, The Effect of Brahmi Nei with Massage and Varmam on Spasticity of Cerebral Palsy Children, Global Journal For Research Analysis,Volume : 5 | Issue : 11 | November 2016

6. Dr. Arul Mozhi P.,Dr.Pattarayan R., Deivanayagi, S. and Dr. Banumathi, V "SIDDHA MEDICINES AND METHODOLOGIES ON DYNAMIC GAIT INDEX OF CEREBRAL PALSY CHILDREN" International Journal of Recent Advances in Multidisciplinary Research Vol. 03, Issue 12, pp.2075-2078, December, 2016 pp 2075-2078.

7. Computer Aided Coronary Atherosclerosis Plaque Detection and Classification, Intelligent Automation and Soft Computing, Volume 34, Year 2022, Pages 639-653

8. Computational analysis of INVELOX wind turbine to analyze the venturi velocity by change the parameter of diffuser Suthagar, S., Kumaran, T., Gowtham, G., ...Sathish, T., Deivanayagi, S. Materials Today: Proceedings, 2020, 46, pp. 4245–4249

9. Pupil detection algorithm based on feature extraction for eye gaze Deivanayagi, S., Nandhini Sri, V.G., Kalai Priya, P., Aarthi, G.

10. Roving Crabber in Aquatics, S. Deivanayagi; K. Thirupura Sundari; M. Ranjithvel; K. Gokulan; S. Karshin, 2025 International Conference on Intelligent Control, Computing and Communications (IC3), 10.1109/IC363308.2025.10956815

11. Recognizing Emotions from Physiological Data in a Eeg Signals Using a Novel Deep Learning Technique, Nandakumar R.;Deivanayagi S.;Kirubha S.P.A.;Prabu R., Circuits Systems and Signal Processing, Volume 44, Year 2025, Pages 3940-3963, DOI:10.1007/s00034-024-02961-2

12. Experimental investigation of synthetic fiber reinforced composites, P. Ranjith; S. Deivanayagi; J. Kamalakannan; P. Suthahar, Materials Today: Proceedings, Year 2023, DOI:10.1016/j.matpr.2023.04.553

13. A review of classification algorithms in machine learning for medical IOT, R. Prabha , Balakrishnan S , S. Deivanayagi , V.K.G. Kalaiselvi , D. Pushgara Rani , Aswin G, International Journal of Pharmaceutical Research, Year 2021, DOI:10.31838/IJPR/2021.13.01.448

14. Pollution Risk Management For Petrol Engines Based On Iot, S.Deivanayagi, D.Pushgara Rani , V.Vishall , P.Anusruthi, Ilkogretim Online - Elementary Education Online, Volume 19(4), Year 2020, Pages 6533-6539, DOI:10.17051/ilkonline.2020.04.765057

15. Detection And Classification Of Tumour Using Image Processing And Machine Learning, D.Pushgara rani, S.Deivanayagi, Elementary Education Online, Year 2020, DOI:10.17051/ilkonline.2020.03.73560

16. Home Automation using IOT, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Volume 30, Year 2020, Pages 219-242, DOI:10.15662/ijareeie.2020.0903049

Project Proposal:

1. TNSCST "Shrimp Cultivation Using IOT", Mrs. S.Deivanayagi, Keerthivasan S, Ilanthiraiyan S, Jebin benadict JS, 2024-2025

2. Niral Thiruvizha " Shrimp Cultivation Using IOT", Mrs. S.Deivanayagi, Keerthivasan S, Ilanthiraiyan S, Jebin benadict JS, R.Indhuja

3. TNSCST proposal "Performance study of Human Physiological system" , Dr. S.Deivanayagi,P.Karthiga, R.Santhiya, R.Suhanthee, 2025-2026

4. Water Management of a Reservoir/Dam using IOT Cloud and Prevention from Flood, e-Yantra, 2020

Books / Book Chapters:

1. Business Analytical Tools and Data Collection Methods, V.K.G. Kalaiselvi, D.Deivanayagi, V.Sunitha, Management analytics and Software Engineering, Year 2021, Pages 158-166
2. Chapter 25: Vehicular Ad-Hoc Networks, S. Deivanayagi N. Gopinath Dr. V. Nagaraju Kanagaraj Venusamy, Emerging Technologies in Engineering Research

Online Courses:

1. PG certificate Program in " IoT and Embedded Systems - Cohort-2" at IIT, Jammu from Feb 23, 2025 to Nov 30, 2025.

NPTEL Courses:

1. Introduction to internet of things
2. Machine Learning and Deep Learning - Fundamentals and Applications
3. Basic Electrical Circuits
4. Integrated Circuits and Applications
5. Microprocessors and Interfacing
6. Introduction On Intellectual Property To Engineers And Technologists
7. Effective Engineering Teaching In Practice
8. Analog Circuits
9. Technical Communication for Engineers
10. Patent Drafting for Beginners
11. Organization Development and Change in 21st Century
12. Digital Electronic Circuits
13. Microprocessors and Microcontrollers
14. Ethics In Engineering Practice
15. Teaching And Learning in Engineering (TALE)
16. Accreditation And Outcome Based Learning
17. Digital Circuits
18. Soft Skill Development
19. Positive Psychology
20. Stress Management
21. Outcome Based Pedagogic Principles for Effective Teaching

NITTTR Courses:

Completed 8 Modules

1. Module 1:orientation towards Technical Education and Curricular aspects

2. Module 2: Professional Ethics and Sustainability

3. Module 3: Communication Skills, Modes and Knowledge Dissimenation

4. Module 4: Instructional Planning and Delivery

5. Module 5: Technology Enabled Learning and Life-Long Self Learning

6. Module 6: Student Assessment and Evaluation

7. Module 7: Creative Problem Solving, Innovation and Meaningful R & D

8. Module 8: Institutional Management and Administrative Procedures

Professional Membership:

1. IEEE
2. IETE
3. ISTE