K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215.
DEPARTMENT OF INFORMATION TECHNOLOGY
FACULTY PROFILE

01. Name   :Mrs.S.Suganya

02. Designation   : AP

03. Date of Birth   :16-April-1988

04. Date of Joining   :11-June-2012

05.**ProfessionalMembership**:ISTE

06. Qualification:

S.No	Qualification	Specialization	Name of the Institution	Affiliated to	Year of Completion	Class & % of Marks
1	Ph.D	ICE	Anna University,Chennai	Anna University, Chennai	Pursing	-
2	ME	CSE	Anna University of Technology, Coimbatore	Anna University of Technology, Coimbatore	2011	8.09
3	BE	CSE	V.S.B Engineering College, Karur.	Anna University, Chennai	2009	First class with distinction & 78

07. Area of Interest   :Object oriented programming, Compiler Design,

Computer Networks,Wireless Sensor Networks

08. Experience,Promotion& Designation Details (Chronological):

S.No.	Name of the Organization	Designation	Period	
			From	**To**
1.	K.S.R College Of Engineering, Tiruchengode.	Assistant Professor	June 2012	Till Date
2.	Angel College of Engineering and Technology, Tirupur.	Assistant Professor	June 2011	April 2012

3.	Maharaja Prithvi Engineering college, Avinashi.	Lecturer	June 2010	June 2011

09. Publication Details:

	National Level		International Level	
	Journal(s)	Conference(s)	Journal(s)	Conference(s)
KSRCE	-	1	16	4
Others	-	1	-	-

09.1 Journals & Conference Details:

S.No.	Title of the research paper	Name of the author(s)	Publisher / Journal Name	Year of publicat.	DOI & ISSN No.	IF / SJR & SNIP
National Conference						
1	ST-DM Watermark Embedding to Secure Client Side System.	S.Suganya	NCNICS	2011		
2	An Information Extraction in Videos at Semantic Level Features using VISCOM	S.Suganya	NCKSRCE'14	2014		
International Conference						
1	Role of IOT in Mechanical and Manufacturing Engineering	S.Suganya	ICSM 2K19	2019		
2.	Recognizing Client Identity in Facebook Utilizing Their Personality Information	K.Kumaresan S.Suganya V.Ajithkumar S.Aravindhan R.Boopathi	RTICCT19	2019		
3.	Hand Gesture Recognition For Virtual Mouse Control Using Mediapipe In Artificial Intelligence	Suganya S Krishna Veerandhra Suthir S Mohan Raj S Selvamani S	ICMICC'24	2024		

4.	Enhancing user interface and offline accessibility of voice assistant (Zahra) for windows by using SAPI5 in Artificial Intelligence	Suganya S G.S.Aathipranavika S.Arjunan S. Jeeva	ICMICC'24	2024		
International Journals						
1	A Survey on Topic Modelling in Text Mining	S.Suganya	International Journal for Scientific Research & Development	2015		
2	A Review of Energy Efficient Routing Protocol In WSN	A.Sasikala , K.Kumaresan , S.NithyaKalyani and S.Suganya	International Journal of Modern Trends in Engineering and Research (IJMTER)	2015	ISSN (Online):2349–9745 ; ISSN (Print): 2393-8161	
3	Recognizing Client Identity in Facebook Utilizing Their Personality Information	K.Kumaresan S.Suganya V.Ajithkumar S.Aravindhan R.Boopathi	International Journal of Engineering Research and Technology(IJERT)	2019	ISSN:2278-0181	
4	A Bluetooth Low Energy Based Beacon System for Smart Short Range Surveillance	S.Suganya M.Chusmitha C.Gomathi S.priyanka	International journal for research & development in Technology	2020	ISSN (O) :-2349-3585	
5	Future forcosting using supervised machine learning Models covid-19	Arunabraham Mohammed abbas G J Selva R Vallarasu C S. Suganya	International Research Journal of Modernization in Engineering Technology and Science	2021	e-ISSN: 2582-5208	

6	Security for Medical Image Using RSA	S. Parthipan, S. Gokul , C. Eswaran , S. Jaya Surya, Dr.S. Nithyakalyani, S. Suganaya	International Academic Institute for Science and Technology	2022	ISSN 2454-390X	
7	Planle-Social Media Post Scheduler	Keerthi.A Mangayarkarasi.S Mohamed Darvesh.RSabareesh.S Suganya.S. Dr. Nithyakalyani.S	International Research Journal of Modernization in Engineering Technology and Science	2022	e-ISSN: 2582-5208	
8	Behaviour Based Malware Detection Using Machine Learning	Mr. Pradeep Sachin, Mrs.S.Suganya	International Journal of Innovative Research in Computer and Communication Engineering	2022	e-ISSN: 2320-9801, p-ISSN: 2320-9798	
9	Face Recognition Using LSTM in Image Processing	S. Suganya I.T. AkshyaaRaaja Shri S. Dheenadhayalan B. Rahul B. Vishnu	International Journal of Advances in Engineering and Emerging Technology (IJAEET)	2023	ISSN 2321-452X	
10	Fake News Detection using Naive Bayes Algorithm in Machine Learning	S. Suganya J. Natheem S. Rajkumar P. Thaniyeal P.S. Thavanish	International Journal of Advances in Engineering and Emerging Technology (IJAEET)	2023	ISSN 2321-452X	
11	Blood Donor App	S.Suganya K.Dhanushya M.FarithaBanu M.P.Tamilzharasu	International Journal of Advances in Engineering and Emerging Technology	2023	ISSN 2321-452X	

S.No.	Title	Author(s)	Journal Name	Year	ISSN	
12	Detection and Classification of Rice Leaf Diseases Using Image Processing	S. Suganya G. Bhuvanesh N. Gopinath M. Sharvesh	International Journal of Advances in Engineering and Emerging Technology (IJAEET)	2023	ISSN 2321-452X	
13	Image Based Authentication Using Zero-Knowledge Protocol	S. Suganya V. Samyadevi Dr.S. Anguraj Dr.G.Singaravel	International Academic Institute for Science and Technology	2024	ISSN 2454-390X	
14	Detecting Sql Injection Threats With Smo Algorithm	Mrs.S.Suganya K.Dhanushya M.Faritha Banu M.P.Tamilzharasu	International Journal of Creative Research Thoughts (IJCRT)	2024	ISSN: 2320-2882	
15	Fake Product Identification By Qr Code Using Blockchain	Mrs.S.Suganya G.Bhuvanesh N.Gopinath M.Sharvesh	Journal of Emerging Technologies and Innovative Research (JETIR)	2024	ISSN-2349-5162	
16	Hand Gesture Recognition For Virtual Mouse Control Using Mediapipe In Artificial Intelligence	Suganya S Krishna Veerandhra Suthir S Mohan Raj S Selvamani S	Journal of Emerging Technologies and Innovative Research (JETIR)	2024	ISSN-2349-5162	

10. Details of Monographs, Books & Patterns

S.No.	Title	Name of the author(s)	Publisher Name	Year of publicat.

1	AI and Machine Learning Mathematical Model based early detection of Neuro Functional Disorders like Autism, Alzhimer, tumors using Strong Deep Learning Algorithms - ANN/CNN among children	B. Chandrakala Dr.BasantiGhanti Dr G. Ramasubba Reddy C.Nandhakumar Dr. Anguraj S S.Suganya Dr.AnuradhaPatil Surya Pratap Singh	-	2024

11. Details of Proposal

S.No.	Title of the Proposal	Funding Agency Details	Date & Duration	Status
1	Enabling Techniques using IOT for Dumpsters Management	Tamilnadu state council for science and technology	-	Applied

12. Details of Winter/Summer Schools Attended

S.No.	Name of the programme	Organized by	Date &Duration
1.	SDP on "Research Initiatives in Data Mining for Web Intelligence"	K.S.R College of Engineering,Tiruchengode and AICTE	22nd June to 03rd July 2012(13 days)
2.	Faculty Development Programme on Entrepreneurship	Kongu Engineering College	23rd November to 5th December 2015(2 weeks)
3.	Faculty Development Program on Problem Solving in C and C++	AVS Engineering College	27th Jan – 28th Jan 2017(2 days)
4.	Faculty workshop using "Salesforce Trailhead"	PSG Institute of Technology and Applied Research	15th& 16th June 2017(2 Days)
5.	Faculty workshop using "Salesforce Trailhead"	K.S.Rangasamy College of Technology	8th Nov 2017-9th Nov 2017(2 Days)
6.	AICTE Sponsored FDP on Engineering Challenges for Smart and Digital India:Internet of Things(IOT)and Applications	K.S.Rangasamy College of Technology	20th Nov 2017-1st Dec 2017(2 Weeks)

7.	Faculty Development Program on Introduction to Big Data Analytics	Vivekanandha College of Technology For Women	18th Feb-19th Feb 2019(2 Days)
8.	RHCSA	Sona college of Technology	02.12.2019-13.12.2019(2 weeks)
9.	Machine Learning Using Python And Data Analytics Using Hadoop	Erode Sengunthar Engineering College	16.12.2019-27.12.2019(2 weeks)
10.	Scope of Artificial intelligence and Machine Learning in Automation	Velalar College of Engineering and Technology	11.05.2020-17.05.2020 (7 days)
11.	Evolution of IOT and It's real time applications	Malla Reddy Institute Of Technology And Science	13.07.2020-17.07.2020(1week)
12.	Contemporary Research issues and challenges in advanced intelligent Video Surveillance with deep Learning Techniques	Muthayammal Engineering College	02.12.2020 - 15.12.2020(2 weeks)
13.	Introduction to Angular JS	ICTACT	21.09.2020 – 26.09.2020
14.	Internet Programming	K.S.R College of Engineering	21.02.2022-26.02.2022 (6 days)
15.	GE3151-Problem Solving & Python Programming	K.S.Rangasamy college of Technology(Anna University)	25.07.2022 – 30.07.2022 (6 days)
16.	Advanced tools and techniques for best research	RV Institute of Technology and Management	26.09.2022 – 30.09.2022 (5 days)
17.	Digital Teaching Techniques	ICTACT	02.02.2023 – 17.02.2023(2 Weeks)
18.	Cybersecurity	K.S.Rangasamy college of Technology(ICTACT)	17.04.2023 – 21.04.2023(5 Days)
19.	Applications of Machine learning and Artificial Intelligence in Research and Innovations	Regional College of Education Research and Technology,Jaipur	02.05.2023 – 06.05.2023(5 Days)
20.	Energy Efficient and Decarbonization Technologies	NITTR	05.06.2023 – 09.06.2023(5 Days)
21.	Internet of Things	K.S.R. College of Engineering	14.11.2023 – 21.00.2023(6 Days)
22.	Applications of Cyber Security Intelligence and analytics	ATAL	04.12.2023 to 09.12.2023(6 Days)
23.	Advance Internet of Things	K.S.R. College of Engineering	18.12.2023 to 22.12.2023(5 Days)
24.	Assessment and Developing Teaching Competency	NITTTR, Chennai	08.01.2024 to 12.01.2024(5 Days)

			04.03.2024 to
25.	NEP 2020 Orientation and Sensitization Programme	Bharathidasan University,Trichy	04.03.2024 to 13.03.2024(10 Days)
26.	Cloud Computing	NPTEL-AICTE	Jan – April 2024 (12 weeks)

13. Details of Workshops/ Seminars Attended

S.No	Name of the programme	Organized by	Date &Duration
1.	Next Generation Networks and Its Applications for Green Computing	Anna University of Technology,Coimbatore	16th and 17th December 2010(2Days)
2.	Network Security and its Challenges	Angel College of Engineering and Technology, tirupur and DRDO	19th and 20th August 2011(2 Days)
3.	A Wireless Sensor Network for the Surveillance of Nuclear Radiation	K.S.R College Of Engineering,Tiruchengode	18th and 19th June 2012(2 Days)
4.	Signals and Systems	IIT Kharagpur	2nd to 12th Jan 2014(10 Days)
5.	LaTex	K.S.R College of Engineering,Tiruchengode	1st Feb 2014(1 Day)
6.	Data Mining Trends and Development for Geospatial Technology and its Applications	K.S.R College of Engineering,Tiruchengode and SERB	7th Jan to 9th Jan 2015(3 Days)
7.	Building and Management of e-Resources:Issues and Challenges	K.S.R Institute for Engineering and Technology,Tiruchengode	6th Feb 2015(1 Day)
8.	Introduction to Design of Algorithms	IIT Kharagpur	27th April to 30th May 2015(2 Weeks)
9.	Train the Trainer on FP4.0 Focus area 2-Database	National Engineering college,Infosys	2nd Nov to 4th Nov 2015(3 Days)
10.	Seminar on Emerging tools to analyze brain waves for artificial Limb technology	K.S.R College of Engineering,ICMR	6th& 7th November 2015(2 Days)
11.	Patent filling in India and other countries	K.S.R College of Engineering,Tiruchengode	8th August 2016(1 Day)
12.	Big Data Analytics using Spark and Scala	K.S.R College of Engineering,Tiruchengode	26th& 27th Sep 2016(2 Days)
13.	SERB Sponsored on Climate smart agriculture:Multi-Disciplinary Approaches using ioT,Cloud and Big Data	Kongu Engineering College	17th Dec 2016(1 Day)
14.	NPTEL	IIT Madras	11th Jan 2017(1 Day)

15.	Seminar on Soft Computing techniques	K.S.R College of Engineering	10th & 11th Feb 2017(2 Days)
16.	Train the Trainer on "UI Technologies"	K.S.R College of Engineering,Infosys	29th March to 31st March 2017(3 Days)
17.	CRM Training	Virtusa,Chennai	21st July-22nd July 2017(2 Days)
18.	Winter Placement Training Trainer	K.S.R College of Engineering,Tiruchengode	10th Dec to 21st Dec 2018(10 Days)
19.	How to Access e-Resources	K.S.R College of Engineering,Tiruchengode	23rd Jan 2019(1 Day)
20.	Problem Based Learning	NITTTR,Kolkata	11th Feb to 15th Feb 2019(5 Days)
21.	Train the Trainer Workshop on"INFYTQ based FP"	Erode Sengunthar Engineering College,Erode, Infosys	27th June-29th June 2019(3 Days)
22.	Workshop on J-Gate An-Electronic Gateway for Research	K.S.R College of Engineering,Tiruchengode	10th July 2019(1 Day)
23.	Women Entrepreneurship and Empowerment Program in"Millennial-"Social Challenges in real and Virtual World"	ISTE	26th August 2019 (1 day)
24.	Understanding of Programme Outcomes	K.S.R College of Engineering	06.11.2019 (1 day)
25.	Block chain	Excel Engineering College(ATAL)	18.01.2021-22.01.2021 (5 days)
26.	Quantum Computing	K.S.Rangasamy College of Technology(ATAL)	04.01.2021-08.01.2021 (5 days)
27.	Introduction to Web development	Kamala Institute of Technology and Science	17.07.2020-19.07.2020 (3 days)
28.	Role of Block chain technology in India-An insight into public Sector	Institute of Road and Transport Technology(ATAL)	22.11.2021 – 26.11.2021 (5 days)
29.	Linux and C programming	VVDN Pvt Ltd	28.04.2022 – 29.04.2022 (2 days)
30.	Natural Language Processing	K.S.R. College of Engineering	28.09.2022(1 day)
31.	Self Design of Post Retirement	K.S.R. College of Engineering	04.11.2022(1 day)
32.	IP Awareness/Training program	Intellectual Property Office, India	11.11.2022(1 day)

14. Details of Winter/Summer Schools/Workshops/Seminarsorganized:

S.No	Name of the programme	Sponsored by	Acted as	Duration	Coordinator
1	Latest trends in IT fields		Coordinator	17.9.2011(1 Day)	S.Suganya,J.Terence

2	NS-2		Organizing Member	9th and 10th September2011(2 Days)	Prof.T.Rajendran
3	Research Challenges and Opportunities In SOA And Cloud Computing	CSIR	Organizing Member	14th and 15th November 2011(2 days)	Prof.T.Rajendran
4	Ethical Hacking and Cyber Security	i-3 India Technologies	Coordinator	8h and 9th October 2015(2 Days)	Mr.M.Prakash S.Suganya
5	International Conference(ICIC'S 2019)		Organizing Member	28th March-29th March 2019	Dr.S.NithyaKalyani
6	Hardware and Networking	KSRCE	Coordinator	13th August 2019	Dr.G.Singravel Dr.S.R.Menaka Mrs.S.Suganya
7	Women Entrepreneurship and Empowerment Program in"Millennial-"Social Challenges in real and Virtual World"	ISTE	Coordinator	26th August 2019	Dr.S.NithyaKalyani Dr.S.R.Menaka Mrs.K.Sangeetha Mrs.S.Suganya Mrs.E.Bhuvaneswari
8	Understanding of Programme Outcomes	KSRCE	Coordinator	06th Nov 2019	Dr.S.NithyaKalyani Dr.S.Periyasamy Mrs.S.Suganya Mr.G.Nagarajan
9	Edge Technology	KSRCE	Coordinator	10th Feb 2021	Mr.G.Nagarajan Dr.S.NithyaKalyani Mrs.S.Suganya Ms.J.Sabana Yasmin
10	Large Management System	KSRCE	Coordinator	21st Oct 2021	Dr.G.Singravel Dr.K.Balamurugan Mrs.S.Suganya Ms.J.Sabanayasmin
11	Communication in workplace	KSRCE	Coordinator	14th December 2021	Dr.S.NithyaKalyani Mrs.S.Suganya Mr.G.Nagarajan

12	Natural Language processing	KSRCE	Coordinator	28th September 2022	Dr.S.Nithyakalyani, Mrs.S.Suganya Mr. E.Madhorubagan, Mr.T.Saransujai Ms.S.Mounika
13	Self Design of Post Retirement	KSRCE	Coordinator	04th November 2022	Mrs.S.Suganya Mr. S.Gowtham Mr.O.K.Gowrisankar
14	National Seminar on React JS	KSRCE	Coordinator	12th October 2023	Mrs.S.Suganya Mr.T.Saransujai
15	National Seminar on Mastering Natural Language Processing Techniques : From Basics to Generative AI	KSRCE	Coordinator	15th November 2023	Dr.G.Singaravel Mrs.S.Suganya

15.Details of Certification Completed:

S.No	Title of the Certification	Company Name	Duration
1.	Red Hat Certified System Administrator	Red Hat	02.12.2019-13.12.2019
2.	Full Stack Engineering	Virtusa	July to August 2021
3.	Intelligent Automation Testing	Virtusa	November to December 2021
4.	Testing	Virtusa	January to March 2024

16.Details of the internship:

S.No	Name of the company	Duration
1	Naberly Technologies Private Limited	01.02.2022-22.02.2022
2	Wspl Hosting Solution(OPC) Private Limited	02.01.2023-20.01.2023
3	Wspl Hosting Solution(OPC) Private Limited	11.09.2023 – 30.09.2023

17.Details of being a Resource person:

S.No	Title of the Presentation	Name of the College	Duration
1	She Code	K.S.R. College of Arts and Science for Women	07.02.2023-08.02.2023
2	Value added course on Advanced Java Programming	K.S.R. College of Engineering	19.06.2023 – 23.06.2023

3	Machine Learning Techniques in Cyber Security	Al-Ameen Engineering College	04.11.2023

18. NPTEL Course Completed

S.No	Name of the Course	Certificate Type	Year of Completion
1.	Problem Solving Through Programming in C	Elite	Jan-Apr 2019
2.	Cloud Computing	Elite	Jan-Apr 2024
3.	Compiler Design	Completion	Jan-Apr 2024

19. Details of the Subjects Handled(in KSRCE):

S.No	Academic Year	Semesters	Name of the Subject	Class(Sem)	% of Pass
1	2012-2013	ODD (B.E)	Data Structures	II	79
2	2013-2014	ODD (B.E)	Cryptography and Network Security	IV	90
		EVEN (B.E)	Database Management Systems	II	85
		EVEN (M.E)	Information Security	I	100
3	2014-2015	ODD (B.E)	Data Warehousing and Data Mining	IV	89
		EVEN (B.E)	Software Requirements Engineering	III	100
		EVEN (M.E)	Multimedia Databases	I	100
4	2015-2016	ODD (B.E)	Design and Analysis of Algorithms	III	100
		EVEN (B.E)	Theory of Computation	II	90
5	2016-2017	ODD (B.E)	Computer Networks	III	100
		EVEN (B.E)	Distributed Computing	III	97
		EVEN (M.E)	Advanced Operating Systems	I	100
6	2017-2018	ODD (B.E)	Object Oritnted Programming With C++	III	96
7	2018-2019	EVEN (B.Tech)	Principles of Compiler Design	VI	95
8	2019-2020	ODD (B.Tech)	Cloud Computing	VII	100

		EVEN (B.Tech)	Python Programming	II	98
9	2019-2020	EVEN (M.Tec h)	Soft Computing	II	100
10	2020-2021	ODD (B.Tech)	Java Programming	V	98
		ODD (M.Tec h)	XML and Web Services	I	100
11	2020-2021	EVEN (B.Tech)	Python Software Foundation	II	98
		EVEN (M.Tec h)	Soft Computing	II	100
12	2021-2022	ODD (B.Tech)	Data Structures	III	96
13	2021-2022	EVEN (B.Tech)	Principles of Compiler Design	VI	98
14	2022-2023	ODD (B.Tech)	Data Analytics	VI	96
15	2022-2023	EVEN (B.Tech)	Design and analysis of Algorithms	IV	100
			IT Essential	II	100
16	20223-2024	ODD (B.Tech)	Business Intelligence and Applications	VII	95.3
		ODD (M.Tec h)	Cloud Computing	III	100
17	20223-2024	EVEN (B.Tech)	Design and Analysis of Algorithms	IV	
			Fundamentals of DevOps	VI	

20. Additional Responsibilities:

20.1 College Level

S.No.	Details of Work	Work allotted by	Duration
1.	Staff Vocation Incharge	**Principal**	02.12.2012-10.12.2017

S.No.	Details of Work	Work allotted by	Duration
2.	NSS Coordinator	**Principal**	11.06.2014-10.12.2017
3.	College Placement Trainer	**Principal**	21.12.2018-Till Date

20.2 Dept Level

S.No.	Details of Work	Work allotted by	Duration
1.	Class Advisor(II CSE B 2011-2015 Batch)	**HOD**	02.07.2012-31.10.2012
2.	PG Project Co-Ordinator	**HOD**	02.07.2012-20.07.2014
3.	Class Advisor(II CSE B 2012-2016 Batch)	**HOD**	01.10.2013-31.12.2015
4.	Time Table Incharge	**HOD**	20.07.2014-08.08.2015
5.	Students Participation meets	**HOD**	02.01.2016-10.01.2017
6.	Class Advisor(III CSE B 2013-2017 Batch)	**HOD**	02.01.2016-05.06.2016
7.	Class Advisor(II CSE A 2014-2018 Batch)	**HOD**	05.06.2016-10.12.2017
8.	Department COE	**HOD**	10.01.2017-10.12.2017
9.	Class Advisor(IV-IT 2019-2023 Batch)	**HOD**	01.07.2020 – 30.05.2023
10.	FSD File Incharge	**HOD**	02.01.2023 – Till date
11.	Class Advisor(III-IT 2021-2025 Batch)	**HOD**	12.07.20223 – Till date

21. Self-Appraisal

3 Major Strengths:
    1.Team Work
    2. Adjustment
3 Major Weaknesses:
    1.Facing higher authorities
    2. Straight Forward

Signature

(S.Suganya)