K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215.
(AUTONOMOUS)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
FACULTY PROFILE

01. **Name**   : Keerthana R

02. **Designation**   : Assistant Professor

03. **Date of Birth**   : 19-04-1995

04. **Date of Joining**   : 19-04-2021

05. **Qualification**   : B.Tech., M.E

Sl. No.	Name of the Degree	Specialization	Name of the Institution / University	Name of the University	Year of Admitted	Year of Completed	Class & % of Marks
1.	Ph.D	ICE	K.S.R. College of Engineering	Anna University	2024	Pursuing	–
1.	M.E	Computer Science and Engineering	Vivekanandha College of Technology for Women	Anna University	2016	2018	FWD& 8.6
2.	B.Tech	Information Technology	Vivekanandha Institute of Engineering and Technology for Women	Anna University	2012	2016	First & 7.6

06. **Experience, Promotion & Designation Details (Chronological):**

a. Teaching:

Sl. No.	Name of the Institution	Designation	Nature of work	Period From	Period To
1.	Sengunthar Engineering College	Assistant Professor	Teaching	17.07.2019	18.4.2021
2.	K.S.R College of Engineering (Autonomous)	Assistant Professor	Teaching	19.4.2021	Till date
	Total year of Experience(s)			**5 Years**	

07. **Publication Details:**

   a. **Conference Details:**

National:

Sl. No.	Title of the Research paper	Name of the author(s)	Publisher / Journal Name	Month & Year of publication	DOI & ISSN No.	IF / SJR / SNIP / H index / K index
Academic Year 2017-18					
1	Monitoring the Blood pressure Level Using Big Data	Keerthana R	Vivekanandha College of Engineering for Women	Aug 2017		
2	Agriculture crop prediction framework using knowledge intelligence in Bigdata	Keerthana R	Gnanamani College of Technology	Mar 2018		
Academic Year 2019-20					
3	Maximizing the Capacity of Hybrid Wireless Networks	Keerthana R	Vivekanandha College of Engineering for Women	Aug 2019		
Academic Year 2021-22					
4	E-Farmer Management System for Farmers using Distributed Client server technology	Keerthana R	Nandha Engineering College	May 2022		

International:

Sl. No.	Title of the research paper	Name of the author(s)	Publisher / Journal Name	Month &Year of publication	DOI & ISSN No.	IF / SJR / SNIP / H index / K index
Academic Year 2017-18					
1	Lung Cancer Prediction using Machine Learning Technique over big data	Keerthana R	Karpagam College of Engineering	April 2018		

2	Agriculture crop prediction framework using knowledge intelligence in big data	Keerthana R	Bharath Institute of Higher Education and Research	April 2018		

Academic Year 2020-21						
3	College Grievance Systems	Keerthana R	Muthayammal College of Engineering	March 2021		

Academic Year 2023-24						
4	Research and Application of Boundary optimization algorithm of forest resources vector data based on convolution neural network	Keerthana R	Madanapalle Institute of Technology and Science	Feb 2024		
5	Code word based bi-server authentication and key exchange encryption technique	Keerthana R	Madanapalle Institute of Technology and Science	Feb 2024		

b. **Journal Details:**

International:

Sl. No.	Title of the research paper	Name of the author(s)	Publisher / Journal Name	Month & Year of publication	DOI & ISSN No.	IF / SJR / SNIP / H index / K index
Academic Year 2020-21						
1	Exploring Confidential Deduplication Of Data Using Big Data In Cloud Computing Storage	Thangarasan T, Jaikumar B, Keerthana R	International Journal of Engineering Applied Sciences and Technology	Dec 2020	2455-2143	Google Scholar
2	College Grievance Systems	Keerthana R, Tamil rasi p, Abitha D	Suraj Punj Journal For Multidisciplinary Research	March 2021	2394-2886	Google Scholar
Academic Year 2021-22						
3.	Modified Classification Algorithm Enhanced Human Mobility For Depth Sensor	R.Lakshmi, R.Keerthana	International journal of scientific research in engineering and management	Dec 2021	2582-3930	Google Scholar

Sl. No.	Title	Author(s)	Journal	Date	Pages	Indexing
4.	Lung Cancer Prediction Using Machine Learning Techniques Over Big Data	T.Thangarasan, R.Keerthana, M.ArunKumar, S.Ramya, M.Bommy	NeuroQuantology	May 2022	910-917	Springer
			Academic Year 2022-23			
5.	Analyzing and Detecting the Boundary in Medical images and Utilizing Big Data	T.Thangarasan, Dr.S.Ramasamy, R.Keerthana, Periyasamy P N	IJARESM	March 2023	2455-6211	WOS
			Academic Year 2023-24			
6.	Research and Application of Boundary optimization algorithm of forest resources vector data based on convolution neural network	T.Thanagarasan, Surendhiran V, Keerthana R, Moheshkumar G, Namasivayam M, Saratha M	IEEE	Feb 2024	979-8-3503	Scopus
7	Code word based bi-server authentication and key exchange encryption technique	T.Thanagarasan, Karthikeyan.V, Arunkumar.G, Keerthana.R, Gouthami.K	IEEE	Feb 2024	979-8-3503	Scopus

Summary:

	National Level		International Level	
	Journal(s)	**Conference(s)**	**Journal(s)**	**Conference(s)**
At KSRCE	-	-	-	-
At others colleges	-	4	7	5

8.Details of Monographs, Books & Patents:

Sl. No.	Title	Name of the author(s)	Publisher Name	Year of publication
		Patent		
1	AI based electro surgical pencil	Dr.A.Selvaraj Amar Choudhary Dr.Doss Prakash R.Keerthana Agalya M	Official Journal of the Patent Office	2024

		Dr.Davinder paul singh Vinod N.Alone Dr.Bina Sarkar Dr.Jai Prakash Navani Er.Sonal Sapra Dr.Nithin Girdharwal Rajiv Verma Hanis Sultana A Keerthana R Sanjay Srivastava	Official Journal of the Patent Office	2024
2	AI-powered student progress tracker revolutionizing academic assessment			

9.Details of Proposal:

Public Sector:

Sl. No.	Title of the Proposal	Details of Funding Agency	Date & Duration	Status
1.	Exploring Young Minds in Agriculture: UAV Applications for Socio-economic Development	CSIR	25.7.2023&1 Month	Applied

Private Sector:

Sl. No.	Title of the Proposal	Details of Funding Agency	Date & Duration	Status
-	-	-	-	-

10.Details of Winter/Summer Schools Attended (all faculty enrichment programme):

Sl. No.	Name of the programme	Organized by	Date & Duration
1.	Insights into Quality Research and Innovation	Vivekanandha College of Engineering for Women	13.5.2020-20.5.2020 & 8 Days
2.	FDP on Python 3.4.3	Vivekanandha College of Engineering for Women	18.4.2020-23.4.2020 & 8 Days
3.	FDP on HTML	Spoken Tutorial, IIT Bombay	20.4.2020-24.4.20 & 4 Days
4.	Certification on PHP and MySQL	Spoken Tutorial, IIT Bombay	14.10.2016 & 2 Month
5.	Certification on Internet of Things	NPTEL, IIT Madras	Jan-Apr 2020 & 3 Month
6.	Deep Learning Applications and Challenges in Big Data Analytics	Vellalar College of Engineering & Technology	17.08.2020 - 22.08.2020 & 6 Days
7.	Block chain	ATAL	7.9.2020-11.9.2021& 5 Days
8	Kotlin: The next frontier in Metaprogramming	ATAL	5.7.2021-9.7.2021&

			5 Days
9	Trending technologies in Computer Science	Dr.M.G.R Educational and Research Institute	18.10.21-22.10.21& 5 Days
10	Cyber Security Infrastructure Configuration	ICT Acadamy	20.9.21-24.9.21& 5 Days
11	Cyber Security & Privacy-AI and Cloud Database Systems	PALS FSDP	9.12.21-11.12.21 & 3 Days
12	Edge Analytics in Industrial Applications	Mepco Schlenk Engineering College	20.12.21-24.12.21 & 5 Days
13	Information Security	MIT Campus, Anna University(STTP)	06.2.22-12.1.22 & 6 Days
14.	Advanced Tools And Techniques For Best Research	RV Institute of Technology and Management	26.9.2022 - 30.09.2022 & 5 Days
15	Cloud Essential	Naan Muthalvan	26.10.22 & 1 Day
16	Wipro Certified Faculty program-Java	Talent Next -Wipro Limited	07.12.2022 to 23.12.2022 & 17 Days
17.	Data Science and Chat GPT	KL Deemed to be University Excelr Raising Excellence	15.05.2023 to 19.05.2023 & 5Days
18.	Cloud Computing	NPTEL-AICTE	JAN -APR 2023
19	Internet of Things	NPTEL-AICTE (IIT-Kharagpur)	JUL-OCT-2023
19	Advanced Technology Program- Cloud Computing	Talent Next -Wipro Limited	11.09.2023 to 15.09.2023
20	Emerging Tools and Techniques in Machine Learning and data science	Madanapalle Institute of Technology and Science	5.2.2024 to 10.2.2024
21	Introduction to industry 4.0 and Industrial Internet of things	NPTEL-AICTE (IIT-Kharagpur)	JAN -APR 2024

11.Details of Workshops/ Seminars Attended:

Sl. No	Name of the programme	Organized by	Date & Duration
1.	One Day Workshop on Cloud Computing and Web Services	Kongu Engineering College	28.9.2013& 1 Day
2.	International Mobile App Development hands-on Workshop	KashivInfoTech Coimbatore	15.3.2016 & 1 Day

3.	Big data and Image processing	Sri Kailash Womens College	10.7.17 & 1 Day
4.	R Programming with big data Analysis	Tagore Institute of Engineering and Technology	3.1.18&1 Day
5.	Ethical Hacking	Vivekananda College of Engineering for women	18.10.2019 &1 Day
6.	Leader Ship Talk	MHRD's Innovation Cell	16.5.2020 & 1 Day
7	Technical Quiz on AI & ML	Mahendra Engineering College	5.10.2020
8.	Machine learning for industrial consultancy	Mahendra Institute of Technology	1.11.2021 & 1 Day
9	Transforming Digital Healthcare with adaptive artificial Intelligence	Hindusthan Institute of Technology	15.03.2023 to 17.03.2023 & 3 days

12.Details of Winter/Summer Schools/Workshops/Seminars organized:

Sl. No	Name of the programme	Sponsored by	Acted as	Duration	Convener
1	Future of Full-Stack Development	-	Coordinator	I Day	Dr.A.Rajiv Kannan Dr.V.Sharmila
2	Latest Technology Stack in Industries	-	Coordinator	23.09.2022 & 1 Day	Dr.A.Rajiv Kannan Dr.V.Sharmila
3	IBM Skills Build Cyber Security Awarness	-	Coordinator	21.08.2023 & 1 Day	Dr.V.Sharmila Dr.V.Venila Dr.E.Baby Anitha Dr.K.Venkatesh Guru Dr.R.Banupriya
4	A Motivation on Career Development	-	Coordinator	24.2.2024 & 1 Day	Dr.V.Sharmila Dr.V.Venila Dr.S.Vadivel Dr.C.Anand Dr.R.Banupriya

13.Details of Guest Lecturer / Resource Person , Session Chair inside and outside the college:

(FDP / Training / Workshop / Seminar/Conference)

Sl. No	Name of the programme	Organized by	Acted as	Date &Duration
1	Future of Backend Web Development	Vivekanandha College of Technology for Womens	Resource person	26.03.2021
2	Python for beginners	Sri Shanmugha College of Engineering and Techology	Resource person	22.3.2022
3.	Trending Modules along with Files and Exception Handling in Python	Vivekanandha College of Engineering for Womens	Resource person	02.07.2022
4	IEEE International conference on "Optimization Techniques for Learning"	Madanapalle Institute of technology and Science	Reviwer	7.12.2023 – 8.12.2023 & 2 Day
5	5th IEEE International Conference on Computing and Communication Technologies(IC2PCT-2024)	Galgotias University,Greater Noida,up	Reviwer	09.2.24-10.2.24 & 2 Day
6	The second IEEE and ACM Collaborate international conference on emerging trends in information technology and Engineering	Vellore Institute of Technology	Reviwer	22.2.24-23.2.24 & 2 Day
7	International Conference on Sustainable Goals in Material ,Energy and Environment	Magalam College of Engineering,Kottayam-Kerala	Reviwer	2.5.2024 – 3.5.2024 & 2 Day
8	10th International Conference on communication and signal processing	Adhiparasakthi Engineering College	Reviwer	12.4.2024-13.4.2024 & 2 Day

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

Sl. No	Academic Year	Semesters	Name of the Subject	Year & Class of students	% of Pass
1	2020-21	01	Python Programming	I EEE	100
			Python programming laboratory		
2	2020-21	01	Python Programming	I CIVIL	100
			Python programming laboratory		
3	2021-22	05	Java Programming	III-ECE	99
4	2021-22	05	Data warehousing & Data Mining	III-CSE A&B	98
5	2021-22	03	Python programming laboratory	II-CSE-B	97
6	2021-22	04	Java Programming	II-CSE-A	96
7	2021-22	04	Java Programming laboratory	II-CSE-A	100
8	2021-22	06	Ad Hoc and Wireless Sensor Network	III-CSE A&B	98
9	2022-23	07	Web programming	IV-EEE	100
10	2022-23	03	Python Programming	II-CSE A	94
11	2022-23	03	Python Programming Laboratory	II-CSE A	100
12	2022-23	06	Green Computing	III-CSE A&B	95
13	2022-23	02	Python Programming	I -EEE	90
14	2022-23	02	Python Programming Laboratory	I-EEE	95
15	2023-24	03	Python Programming	II-CSE B	96
16	2023-24	03	Python Programming Laboratory	II-CSE B	100
17	2023-24	03	Database Management Systems	II-A	-
17	2024-25	03	Graphics and Multimedia	IV-A	-

18	2024-25	03	Web Programming	III-A	-

15.Area of Interest : Web Development(MEAN Stack),Machine Learning.

16.Professional Membership : IAENG,IGEN

17.Additional Responsibilities:

a. **College Level**

Sl. No.	Details of Work	Work allotted by	Duration
1	Infrastructure Committee	Principal	03.1.2022 to Till Date
2.	Placement-kumaran System (Mentor)	Principal	21.04.2022 to 20.05.2022

b. **Department Level**

Sl. No.	Details of Work	Work allotted by	Duration
1	Class Advisor	HOD	6.8.21 to Till Date
2	Department Library In charge	HOD	7.7.21 to 14.11.2022
3	BOS Co-Ordinator	HOD	7.7.21 to 23.2.2023
4	Student Association,Industrial Visit & Inplant Training cell Co-Ordinator	HOD	7.7.21 to 14.11.2022
5	IQAC Incharge, Ex/Int Audit	HOD	23.2.2023 to 12.7.2023
6	Training & Placement & Club Activities	HOD	14.11.2022 to Till Date
7	Project(UG& PG&Mini)	HOD	23.2.2023 to Till Date
8	Centre for Competitive exams spoc	HOD	4.7.2024 to Till Date

18.Self-Appraisal

Major Strengths:

✔ Creativity, Self Confident,

✔ Ability to grasp any technology quickly.

Major Weaknesses:

✔ Too sensitive

Signature with Name   [KEERTHANA R]