

RESUME

Name of the Staff : K.Rajkumar
Designation : Assistant professor (SG)
Date of joining in the college : 01.06.2012
E-mail Id : rajathir08@gmail.com
Mobile Number : 9789655284



Personal Details

Age : 37
Date of Birth : 20.06.1987
Sex & Marital Status : Male & Married
Citizenship : Indian

Educational Qualification

Educational Qualification	Branch	Name of the Institution/University	Yr. of Passing	% of Marks	Class/ Division
BE	Computer Science and Engineering	PSR Engineering College, Sivakasi /Anna University, Chennai	May 2008	74	First Class
ME	Computer Science and Engineering	National Engineering College, Kovilpatti /Anna University, Chennai	May 2012	8.7 (CGPA)	First Class with Distinction
Ph.D	Information & Communication Engineering	Anna University, Chennai	Pursuing		

Professional Experience (In chronological order)

Designation	Institution/Organization	Period	Nature of Duties
Assistant Professor (SG)	National Engineering College, Kovilpatti	03/05/2023 to Till date	Teaching
Assistant Professor	National Engineering College, Kovilpatti	01/06/2012 to 02/05/2023	Teaching
Lecturer	Maharaja Institute of Technology, Coimbatore	1/06/2009 to 31/05/2010	Teaching

No. of years of Experience i. NEC : 12 years 6 months ii. Other Colleges : 1
iii. Industry : iv. Other than above:

List of SCI Journals

S.No	Name of the Authors	Title of Paper	Name of Journal	Page No & Volume	Year of publication
1.	Mr.K.Rajkumar, Dr.G.Sivakamasundari, Ms.B.Shunmugapriya, Mr.A.Shenbagharaman	Identifying the Optimal Location to Set up an Emergency Room Using Machine Learning Algorithms	Periodico Di Mineralogia	Volume 91, No. 4	August 2022
2.	Mr.K.Rajkumar, Dr.B.Paramasivan	Redundant node identification using Siamese neural	International Journal of Communication	Volume 37, No.3	November 2023

		network to enhance the availability in visual sensor network	Systems, Wiley Publication		
3.	Mr.K.Rajkumar, Dr.B.Paramasivan	Energy Efficient Routing Mechanism Based on Similarity Guided Graph Neural Network and Decision Tree with Golden Eagle Optimization in VSN	Peer-to-Peer Networking and Applications		July 2024

List of International Journals

S.No.	Name of the Authors	Title of Paper	Name of Journal	Page No & Volume	Year of publication
1.	Mr.K.Rajkumar	Reappearance Layout based web page segmentation for small screen devices.	International Journal of Computer Applications	Vol. 49, No.6 PP: 1-8	July 2012
2.	Mr.K.Rajkumar	Wireless Room Sensing and Controlling using Google Assistant	International Journal of Recent Technology and Engineering	Vol. 9, No.1	May 2020
3.	Mr.K.Rajkumar	Comparison of preprocess Techniques for Brain Image using Machine learning	Information Technology in Industry	Vol. 9, No.3	May 2021
4.	Mr.K.Rajkumar	Safety Alert System for Elderly Care	Journal of Chengdu University of	Vol.26, No.8	Aug 2021
5.	Mr.K.Rajkumar	Face Recognition Method For E-Attendance System	Annals of the Romanian Society for Cell Biology	Vol.25, No.4	June 2021
6.	Mr.K.Rajkumar	Digital Notice Board	AIP Conference Proceedings	Vol 2444, 020003, No.1	March 2022
7.	Mr.K.Rajkumar	A Circumstantial Analysis on evidence and geological information based routing protocol in	Journal of Pharmaceutical Negative Results	Vol.14, No.1	April 2023

List of International Conference

S.No	Name of the Faculty	Title of Paper	Name of the Conference	Year of publication
1.	Mr.K.Rajkumar	Dynamic Web Page Segmentation Based on Detecting Reappearance and Layout of Tag Patterns for Small Screen Devices	International Conference on "Recent trends In Information Technology", Madras Institute of technology, Chennai.	19th-21st April 2012

2.	Mr.K.Rajkumar	Advanced twitter Sentiment analysis using naive bayes classification with word cloud visualization	International conference on “Applied Soft Computing Techniques”, Kalasalingam Academy of Research and Education, Srivilliputhur.	23rd -24th March 2018
3.	Mr.K.Rajkumar	Game theoretic modeling and Analysis of Jamming attack in Delay tolerant networks	International conference on Innovations in Engineering, Science and Technology, Kalasalingam Institute of Technology, Srivilliputhur.	15th-16th Feb 2019
4.	Mr.K.Rajkumar	Sniffer Mail	3rd international conference on latest trends in Engineering and Management ICTEM, Institute For Engineering Research and Publication (IFERP) Pune.	26th and 27th Feb 2021
5.	Mr.K.Rajkumar	Fetal Brain Abnormality Detection Using Segmentation Techniques	IEEE International E-Conference on Emerging Technologies and Applications for Smart and Sustainable World	16th-18th Jan 2021
6.	Mr.K.Rajkumar	Safty alert system for elderly care	3rd International Conference on Power and Embedded Drive Control (ICPEDC - 2021),SSN, Chennai	25th -27th August 2021
7.	Mr.K.Rajkumar	The Recent Advancements in the Wireless Security and Smart Grid Technology in Protecting the Ecological aspects for better Future Generation Analysis through Structural Equation Modeling	2nd International Conference on Innovative Practices in Technology and Management (ICIPTM)	23rd-25th February 2022
8.	Mr.K.Rajkumar	Smart Grid Peer-to-Peer Exchanging Energy System using Block Chain	7th IEEE International Conference on Computing Methodologies and Communication (ICCMC), Erode, India	April 2023
9.	Mr.K.Rajkumar	High Performance-Based Deep Neural Networks for Efficient Tomato Leaf Disease Detection	International Conference on Communication and Computational Technologies, Algorithms for Intelligent Systems, Springer	September 2023
10.	Mr.K.Rajkumar	E-Commerce website for Farmers	International Conference on Advanced Materials and Technologies for the industry 4.0, Bannari	March 23-24, 2023.

			Amman Institute of Technology, Erode	
11.	Mr.K.Rajkumar	Security and Privacy Challenges in Distributed Database Management	Global Conference on Information Technologies and Communications (GCITC), Bangalore, India.	April 2024

List of National Conferences

S.No	Name of the Faculty	Title of Paper	Name of the Conference	Year of publication
1.	Mr.K.Rajkumar	Dynamic Web Page Segmentation Based on Detecting Reappearance of Tag Pattern for Small Screen Devices	National Conference on Computer Vision, Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.	6 th and 7 th January 2012
2.	Mr.K.Rajkumar	Women Safety application using Android	National Conference on Engineering Applications, National college of Engineering, Maruthakulam	16 th March 2018
3.	Mr.K.Rajkumar	Diagnosis of Lung Carcinoma on CT Scan Images Using Image Processing	National conference on Computer science and application, Mepco Schlenk Engineering college, Sivakasi	8 th and 9 th March 2019
4.	Mr.K.Rajkumar	Digital Notice board	AICTE sponsored National Online conference on Data Science and Intelligent Information Technology, National Engineering College, Kovilpatti	14 th and 15 th May 2021

Short term Courses/Seminar/Conference/Workshop Attended

S.No	Institution	Topic	Course Detail	Date
1.	National Engineering College, Kovilpatti.	Centre for Faculty development sponsored FDTP on "CS53-Theory of computation"	FDTP	03-06-2013 to 10-06-2013
2.	National Engineering College, Kovilpatti.	Empowering Indian Engineering Education for global expectations	Annual convention	07-11-2014 to 08-11-2014
3.	National Engineering College, Kovilpatti.	NPTEL Workshop	Workshop	13-03-2015
4.	National Institute of Technology, Trichy.	Internet of Things & Smart Home	Workshop	13-11-2015 to 14-11-2015
5.	National Engineering College, Kovilpatti.	Research Aspirants Meet	IEEE International Conference	07-01-2016 to 08-01-2016

6.	Tata consultancy services, Chennai.	Assurance Faculty Connect Programme	FDP	01-03-2016
7.	National Engineering College Kovilpatti.	Seven days national Seminar on "Theory of Computation (CS6503)"	FDTP	01-06-2017 to 8-06-2017
8.	National Engineering College Kovilpatti.	Two days national level seminar on "Research Trends and Innovations in Vehicular Networking and Intelligent Vehicular Communication"	Seminar	12-10-2017 to 13-10-2017
9.	National Engineering College, Kovilpatti.	Attended 8 weeks NPTEL online courses on "Fundamentals of Database Systems"	Online Course	01-07-2017 to 01-09-2017
10.	National Engineering College, Kovilpatti.	Attended 8 weeks NPTEL online courses on "Cloud Computing"	Online Course	05-02-2018 to 05-04-2018
11.	B.M.S College of Engineering, Bangalore.	Attended six days GIAN course on "Towards Safe Cities: A mobile and Social Networking"	FDTP	01-06-2018 to 06-06-2018
12.	National Engineering College Kovilpatti.	Attended AICTE approved FDP101x on Foundation Program in ICT for Education conducted by IIT, Bombay	Online Course	08-03-2018 to 12-04-2018
13.	National Engineering College Kovilpatti.	Attended AICTE approved FDP201x on Pedagogy for Online and Blended Teaching-Learning Process conducted by IIT, Bombay	Online Course	03-05-2018 to 30-05-2018
14.	National Engineering College Kovilpatti.	Attended 4 weeks NPTEL online courses on "Design and pedagogy of the Introductory Programming Course"	Online Course	01-08-2018 To 01-09-2018
15.	National Engineering College, Kovilpatti	Attended Scilab workshop organized by the Teaching Learning Centre (ICT) at IIT Bombay	Online workshop	04-05-2019
16.	National Engineering College, Kovilpatti	Attended 12 weeks NPTEL online courses on "Introduction to Internet of things"	Online Course	01-07-2019 to 01-10-2019
17.	National Engineering College, Kovilpatti	Attended 12 weeks NPTEL online courses on "Software Engineering"	Online Course	01-09-2020 to 31-12-2020
18.	Indian Institute of Information Technology Kottayam, Kerala.	Attended AICTE Training and Learning (ATAL) online FDP on "Machine Learning Algorithms and Applications"	Online FDP	04-11-2020 to 08-11-2020
19.	Electronics & ICT Academy, NIT Warangal and NIT Tiruchrappalli	Attended 40 hours FDP on "Research Trends in Wireless Sensor Networks"	Online FDP	07-03-2022 to 16-03-2022
20.	National Engineering College, Kovilpatti	Attended 12 weeks NPTEL online courses on "Computer Networks and Internet Protocol"	Online Course	01-01-2022 to 01-04-2022
21.	National Engineering College, Kovilpatti	Attended 4 weeks NPTEL online courses on "Software Testing"	Online Course	01-01-2023 to 01-02-2023

22.	VIT, Vellore	Attended 5 days online training programme on Research Data Management	Online FDP	13-03-2023 to 17-03-2023
23.	National Engineering College, Kovilpatti	Improve your Productivity and Performance with canva	Coursera	01-01-2023 to 01-02-2023
24.	National Engineering College, Kovilpatti	Attended 4 weeks NPTEL online courses on “Software Testing”	Online Course	01-01-2023 to 01-02-2023
25.	National Engineering College, Kovilpatti	Attended 12 weeks NPTEL online courses on “Ethical Hacking”	Online Course	01-07-2023 to 01-10-2023
26.	National Engineering College, Kovilpatti	Attended 4 weeks NPTEL online courses on “Design Thinking”	Online Course	01-07-2023 to 01-08-2023
27.	B.M.S College of Engineering, Bangalore.	Artificial Intelligence in Computer Networks	ATAL-FDP	05-02-2024 to 10-02-24
28.	National Engineering College, Kovilpatti	Attended 12 weeks NPTEL online courses on “Cyber Security and privacy”	Online Course	01-7-2024 to 01-10-2024

Details of Product development / Patent published:

- Had received fund of Rs.5000/- from Alumni association for the student Project “Cleaving Huge Medical Datasets in cloud environment” during the academic year 2016-2017.
- Had received seed money for the project “Design and Development of a Plant Disease Diagnosis Framework using Machine Learning integrated with Mobile App.” during the academic year 2021-2022.

Industry Know-How Programme:

- Attended online short-term training programme on “Java Full Stack with React JS & AI” from 02.12.2024 to 22.12.2024 organized by Brainovision solutions India Pvt Ltd., Hyderabad.
- Attended Five days Industry Know How Programme on “Web Development” from 01.04.2019 to 05.04.2019 at Smackcoder Private Ltd, Tirunelveli.
- Attended Train the Trainer online Program on “Creating Microsites on Infosys Spring board” from Infosys Pvt ltd during 31-08-2021 to 02-09-2021.

Specific Achievement:

A. Short term Courses/Conference/Workshops/Seminars Organized

Total Amount received Rs. 2,05,000

- DRDO sponsored National Level Seminar on “Language based Formal Methods and Verification Techniques for Security” - Sanctioned an amount of Rs 30,000/- during 02.08.2013 & 03.08.2013
- Anna University Chennai approved one week Faculty Development Training Programme on “Mobile and Pervasive Computing” - 11.06.14 to 18.06.14.
- ISTE-SRM University sponsored Short Term Training Programme on “High Speed Networks” - Sanctioned an amount of Rs 1,00,000/- during 09.06.2014 to 16.06.2014
- CRSI sponsored National Level Instructional workshop on “Formal Methods in Cryptography” - Sanctioned an amount of Rs 40,000/- during 08.01.2015 to 09.01.2015

- Three days seminar on “Perspectives of Human Computer Interaction in Natural Language Processing” Sponsored by CIIL, Mysore-Sanctioned an amount of Rs.30,000/- during 05.10.2016 & 07.10.2016
- Indian Association for Research in Computing Science (IARCS) Technically Sponsored Online Instructional Workshop on Randomized Algorithms, Derandomization and Applications during 21.01.22 to 22.01.22 and 28.01.22 to 29.01.22
- Value Added course on Front End Mastery: Building User centric Experiences for second year students during 24.02.2024 to 04.05.2024.

B. Appreciation awards & Recognition

- Recognized as BRONZE partner faculty under Inspire- Infosys Campus Connect Faculty Partnership Model.
- NPTEL- Computer Networks and Internet Protocol -Elite + Silver Certification (77%)
- Received Top Performing Mentor for the course “Cloud Computing” during Jan to April 2022.

C. Consultancy

- Had completed Out patient Module for Health Care Management System in Bizplus Pvt Ltd, Chennai during 01.09.2019 to 19.03.2021.

D. Contribution to the Institution:

- CSI Student Chapter Coordinator (2014-2021)
- ICCTIDE’16 Hall Arrangement Member
- Eco Club Coordinator (2017-2018)
- Admission duty Member (2013-2016)
- Admission duty Coordinator (2017-2018)
- IEEE International conference ICEmTASS’21 Finance Committee Member (Submitted Proposals to BRNS, INSA, DRDO, DST, ISRO)
- Extension Cell Member (2022-2023) (NAAC File collection (past 5 years) for all clubs)
- CSI Student Chapter Coordinator (2023 – till date)
- Member in various committees (NBA, NAAC, Job Fair, Graduation Day)
- Member in Student Affairs and Industrial Relations. (2024)

E. Contribution to the Department:

- UPS Maintenance Incharge (2015-2018)
- Prepared autonomous audit report for the academic year (2013-2014)
- Alumni 1984-1988 batch Data Collection Incharge (2013- 2015)
- Exam wing coordinator (2019- 2020)

- Lab Incharge ICL & Common Computer Lab (2014-till date)
- Best Outgoing Student Incharge (2012-till date)
- NPTEL Student Mentor (2021-2022)
- NAAC Criteria-2 Co-Coordinator
- NBA Criteria-3 Member
- Exam wing coordinator (2021- 2022)
- Department Placement Co-Coordinator (2022- till date)
- 2nd year Tutor and Class Incharge (2024)
- CSE Association Incharge (2024)

F. Membership in Professional Bodies:

- Life Member in Indian Society for Technical Education (ISTE), New Delhi
- Executive Member in CSI