



**Govt. Engineering College,  
Sreekrishnapuram**



Mannampatta P.O, Sreekrishnapuram,  
Palakkad-678633

Phone: 04662260350, principal@gecskp.ac.in

**DR. K R REMESH BABU**

**General Details**

Name	DR. K R REMESH BABU	Gender	Male
AICTE ID		Staff Id	ITTF028
Joining Date	11/03/2019	Date of Birth	06/05/1975
Blood Group	Unknown	Department	Information Technology
Category	1	Designation	Associate Professor
Institution Last Worked	Government Engineering College Idukki	Contract Type	Permanent
Ktu Id		PEN No	

**Personal Details**

Father Name	Raman B	Marital Status	Married
Mother Name	Sarada K L	Spouse Name	Krishnalekha P L
Nationality	INDIAN		

**Contact Details**

Phone	9400782546	Email	remeshbabu@gecskp.ac.in
Phone (Res)	9400782546	Phone (Office)	
		Office Address	Associate Professor, Department of Information Technology, GEC Palakkad, Sreekrishnapuram
Present Address		Permanent Address	

Qualifications						
S.No	Degree	Discipline / Stream	University / Institution	Percentage / CGPA	Year of Passing	Special Remarks
1	B.Tech	Information Technology	CUSAT		2000	
2	M.Tech.(Engg/ Sciences)	Computer Science & Engineering	PSG Tech		2012	
3	B.Sc. (Science)	Mathematics	Maharajas College Ernakulam		1995	
4	Ph.D.	Information Technology	CUSAT		2019	

Experiences							
S.No	Title	Name of Organization/Institution	From Date	To Date	Designation	Nature of Employment	Nature of Duty
1	Assistant Professor (IT) at GEC Palakkad (2006 - 2012)		2006-02-17	2012-06-06	Assistant Professor		
2	Assistant Professor (IT), GEC Idukki (2012-2019)		2012-06-07	2019-03-10	Assistant Professor		
3	Associate Professor (IT), GEC Palakkad (March 2019 onwards)		2019-03-11	0000-00-00			

Publications							
S.No	Description	Title of The Paper/Patent	Category	Patent No	Indexing	Academic Year	Period
1	Design and implementation of an augmented reality mobile application for navigating ATM counters (AR-ATM), Industrial Robot: the international journal of robotics research and application © Emerald Publishing Limited [ISSN 0143-991X] [DOI 10.1108/IR-02-2022-0051] June 2022. DOI 10.1108/IR-02-2022-0051.		International Journal papers with impact factor<1.5		SCI	2021-2022	In this college
2	Virtual Modelling and Analysis of Manual Material Handling Activities among Warehouse Workers in Construction Industry, WORK: A Journal of Prevention, Assessment & Rehabilitation [Accepted]		International Journal papers with impact factor 1.5-2		SCI	2021-2022	In this college
3	Remesh Babu K R, Preetha K G, Saritha S, and Rinil K R. 2021. An Energy Efficient Intelligent Method for Sensor Node Selection to Improve the Data Reliability in Internet of Things Networks. KSII Transactions on Internet and Information Systems, 15, 9, (2021), 3151-3168. DOI: 10.3837/tiis.2021.09.004.		International Journal papers with impact factor<1.5		SCI	2020-2021	In this college
4	Intelligent Secure Storage Mechanism for Big Data, Webology, Volume 18, Special Issue on Artificial Intelligence in Cloud Computing April, 2021, pp. 246-261, DOI: 10.14704/WEB/V18SI01/WEB18057		International Journal papers with impact factor<1.5		SCOPUS	2020-2021	In this college

5	Abusive Language Detection and Characterization of Twitter Behavior, International Journal of Computer Sciences and Engineering, Vol.8, Issue.7, pp.155-161, July 2020		International Journal papers with impact factor<1.5		Google	2020-2021	In this college
6	Petri net model for resource scheduling with auto scaling in elastic cloud, International Journal of Networking and Virtual Organisations 22 (4), 2020, pp.462-477. Inderscience.		International Journal papers with impact factor<1.5		SCOPUS	2019-2020	In this college
7	Intelligent Public Bus Transportation Management System, Proceedings of the International Colloquium on Recent Trends in Engineering (IC@MACE), 2020, pp.891-895.		International Conferences			2019-2020	In this college
8	An Intelligent System for Phishing Attack Detection and Prevention, Proceedings of the Fourth International Conference on Communication and Electronics Systems (ICCES 2019), pp.1577-1582. IEEE.		International Conferences			2019-2020	Outside this college
9	Enhanced Security through Cloud-Fog Integration, Proceedings of the Fourth International Conference on Communication and Electronics Systems (ICCES 2019), pp.1530-1535. IEEE.		International Conferences			2019-2020	Outside this college
10	User Perspective Based APP Recommendation System, International Journal of Modern Electronics and Communication Engineering (IJMECE), Vol. No.-7, Issue No.4, July, 2019.		International Journal papers with impact factor<1.5		Other	2019-2020	In this college
11	Review of the quality of service scheduling mechanisms in cloud, International Journal of Engineering & Technology, Vol. 7, No. 3, pp.1677-1695, 2018. SPC.		International Journal papers with impact factor<1.5		SCOPUS	2018-2019	Outside this college
12	Service-level agreement-aware scheduling and load balancing of tasks in cloud, Software: Practice and Experience, Volume 49, Issue 6, June 2019, pp. 995-1012. Wiley.		International Journal papers with impact factor 1.5-2		SCI	2018-2019	Outside this college
13	Context aware reliable sensor selection in IoT, International Journal of Intelligent Systems Technologies and Applications, Volume 18, Issue 1-2, 2019, pp. 34-51. Inderscience Publishers (IEL).		International Journal papers with impact factor<1.5		SCOPUS	2018-2019	Outside this college
14	Dynamic Resource Management Through Task Migration in Cloud, International Conference on Intelligent Data Communication Technologies and Internet of Things, Lecture Notes on Data Engineering and Communications Technologies book series (LNDECT, volume 26), pp.1362-1369, Springer		International Conferences		SCOPUS	2018-2019	Outside this college

15	Synchronized Multi-Load Balancer with Fault Tolerance in Cloud, International Journal of Computer Information Systems and Industrial Management Applications, Volume 10(2018) pp. 107-114.		Others		SCOPUS	2018-2019	Outside this college
16	Cluster Oriented Sensor Selection for Context-Aware Internet of Things Applications, International Conference on Intelligent Data Communication Technologies and Internet of Things 2018, pp.981-988, Springer.		International Conferences			2018-2019	Outside this college
17	Dynamic Resource Management Through Task Migration in Cloud, International Conference on Intelligent Data Communication Technologies and Internet of Things, pp.1362-1369, 2018. Springer, Cham.		International Conferences		SCOPUS	2018-2019	Outside this college
18	Interference aware prediction mechanism for auto scaling in cloud, Computers and Electrical Engineering, Vol. 69, pp.351-363, 2018. Elsevier.		International Journal papers with impact factor 2-2.5		SCI	2018-2019	Outside this college
19	Virtual Machine Placement for Elastic Clouds with QoS. International Science Press IJCTA, No.9 (2016) Issue No. 19, pp. 9071-9081. International Science Press.		Others			2017-2018	Outside this college
20	Energy aware clustered load balancing in cloud computing environment, International Journal of Networking and Virtual Organisations, Vol.19, No.2/3/4, pp.305-320, 2018. Inderscience.		International Journal papers with impact factor<1.5		SCI	2017-2018	Outside this college
21	Cluster Oriented Sensor Selection for Context-Aware Internet of Things Applications, International Conference on Intelligent Data Communication Technologies and Internet of Things, pp. 981-988, Springer, Cham		International Conferences			2017-2018	Outside this college
22	Analysis Of SLA-Aware Multi Level Scheduling In Federated Cloud Environment, International Journal of Recent Engineering Research and Development, Vol. 2, Issue No. 2, 2017, pp. 51-59.		Others			2017-2018	Outside this college
23	Live migration of virtual machines in the homogeneous cloud, 2016 International Conference on Emerging Technological Trends (ICETT), pp.1-5, IEEE.		International Conferences			2017-2018	Outside this college

24	Enhanced privacy preserved web service recommendation with clustering, 2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICT), pp. 1024-1029, IEEE.		International Conferences			2017-2018	Outside this college
25	Dynamic resource allocation in market oriented cloud using auction method, 2016 International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE), pp.145-150, IEEE.		International Conferences			2016-2017	Outside this college
26	Fault Tolerant Multiple Synchronized Parallel Load Balancing in Cloud, International Conference on Health Information Science HIS 2017: Hybrid Intelligent Systems, pp, 11-19, Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 734),Springer.		Book			2016-2017	Outside this college
27	MDSAPI: A solution for customers to access heterogeneous multiple datastore, 2017 International Conference on Circuit, Power and Computing Technologies (ICCPCT), pp. 1-5, IEEE.		International Conferences			2016-2017	Outside this college
28	Advanced Cache Techniques for SLA-Driven Multi-Tenant Application on PaaS, International Journal of Computer Information Systems and Industrial Management Applications, Vol. 8 (2016) pp. 266-274.		International Journal papers with impact factor<1.5		SCI	2016-2017	Outside this college
29	A mobile crowd sensing based task assignment in Internet of Things, 2016 International Conference on Emerging Technological Trends (ICETT), pp.1-4, IEEE.		International Conferences			2016-2017	Outside this college
30	Cloud Revenue Maximization using Competition and Cooperation, 2016 International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE), pp.240-244, IEEE.		International Conferences			2016-2017	Outside this college
31	Scheduling to Minimize Context Switches for Reduced Power Consumption and Delay in the Cloud, 2016 International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE), pp.545-549, IEEE.		International Conferences			2016-2017	Outside this college
32	Secure cloud storage using AES encryption, 2016 International Conference on Automatic Control and Dynamic Optimization Techniques (ICACDOT), pp.859-864, IEEE,		International Conferences			2016-2017	Outside this college

33	Optimal sensor selection from sensor pool in IoT environment, 2016 2nd International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT), pp.697-702, IEEE.		International Conferences			2016-2017	Outside this college
34	Cognitive M2M: An Emerging Technique towards Internet of Things, Journal of Network and Information Security, Volume, Vol. 4, Issue: 1, 6/2016.		Others			2016-2017	Outside this college
35	Secure Cloud Multi-tenant Applications with Cache in PaaS, Innovations in Bio-Inspired Computing and Applications, pp.15-27, Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 424), 2015. Springer.		Book			2015-2016	Outside this college
36	Load balancing of tasks in cloud computing environment based on bee colony algorithm, 2015 Fifth International Conference on Advances in Computing and Communications (ICACC), pp.89-93, IEEE.		International Conferences			2015-2016	Outside this college
37	Performance Analysis of Big Data Gathering in Wireless Sensor Network Using an EM Based Clustering Scheme, 2015 Fifth International Conference on Advances in Computing and Communications (ICACC), pp.109 -113, IEEE.		International Conferences			2015-2016	Outside this college
38	Enhanced bee colony algorithm for efficient load balancing and scheduling in cloud, Innovations in bio-inspired computing and applications, Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 424), pp.67-78, 2015. Springer.		Book			2014-2015	Outside this college
39	Concept Networks for Personalized Web Search Using Genetic Algorithm, Volume 46, pp.566-573, Procedia Computer Science, 2015, Elsevier.		Others			2014-2015	Outside this college
40	Pareto based hybrid Meta heuristic ABC-ACO approach for task scheduling in computational grids, International Journal of Hybrid Intelligent Systems, Vol.11, Issue: 4, pp. 241-255. 2014. IOS Press.		International Journal papers with impact factor<1.5		SCOPUS	2014-2015	Outside this college
41	Virtual machine placement for improved quality in IaaS cloud, 2014 Fourth International Conference on Advances in Computing and Communications, pp.190-194, IEEE.		International Conferences			2014-2015	Outside this college

42	Hybrid Double Layered Security against Data Corruption and Node Compromise Attacks in WSN", International Journal of Innovative Research in Science, Engineering and Technology, Volume 3, Special Issue 3, pp. 2475-2479, March 2014.		Others			2013-2014	Outside this college
43	Improved FSS with QoS in Cloud, International Journal of Advanced Research in Engineering and Technology, Volume 5, Issue 2, February (2014), pp. 138-151. ISSN 0976 - 6480 (Print), ISSN 0976 - 6499 (Online).		Others			2013-2014	Outside this college
44	Latency aware scheduling policy for tasks in IaaS cloud, 2013 International Conference on Recent Trends in Information Technology (ICRTIT), pp.725-731, IEEE.		International Conferences			2013-2014	Outside this college
45	Design of a Metacrawler for web document retrieval, 2012 12th International Conference on Intelligent Systems Design and Applications (ISDA), pp.478-484, IEEE.		International Conferences			2012-2013	Outside this college
46	Task scheduling using ACO-BP neural network in computational grids, Proceedings of the International Conference on Advances in Computing, Communications and Informatics, pp.428-432, 2013, ACM.		International Conferences			2011-2012	Outside this college

#### Programs Coordinated

S.No	Description	Category	Academic Year
1	Fine Tune Your Research Planning	FDP	2020-2021

#### Programs Attended

S.No	Description	Category	Academic Year	Period
1	FDP on "Recent Trends in Algorithms" conducted from 22/11/2021 to 27/11/2021, organized by the Department of Information Technology, Government Engineering College Palakkad	FDP	2021-2022	In this college
2	DTE sponsored Faculty Development Programme on "Machine Learning and Optimization" conducted by CSE department of GEC Palakkad during 01/12/21 - 03/12/21.	FDP	2021-2022	In this college
3	FDP on Trajectory to Success in Research conducted from 25/10/2021 to 30/10/2021, organized by the Department of Information Technology, Government Engineering College Palakkad.	FDP	2021-2022	In this college
4	NPTEL FDP on Big Data Computing (Aug-Oct 2021) on Dec 2021 Exam.	FDP	2021-2022	In this college
5	NPTEL FDP on Ethics in Engineering Practice (Aug-Oct 2021) on Dec 2021 Exam.	FDP	2021-2022	In this college
6	AICTE ATAL FDP on BlockChain from 9-12-2019 to 13-12-2019 at Adi Shankara. Institute of Engineering and Technology, Kaladay, Ernakulam.	STTP	2019-2020	Outside this college
7	APJAKTU Sponsored Faculty Development Program on Information and Network Security Challenges organized by Department of Computer Science & Engineering, SCMS Ernakulam from 1st-5th July 2019.	STTP	2019-2020	Outside this college

Interactions with Outside World		
S.No	Description	Academic Year
1	Member – BoS (Cloud computing) – St. Teresas College, Ernakulam	2019-2020
2	Reviewer (Various international journals)	2019-2020
3	TPC Member, IEEE International Conference on Advances in Computing, Communications and Informatics (ICACCI 2019), Kochi.	2019-2020
4	Chaired Two day National Seminar on MOOC and E-Content Development at VT Bhattathiripad College, Mannampatta (16-17 December 2019).	2019-2020
5	Chairperson – BoE (Information Technology), Mahatma Gandhi University, Kerala	2018-2019
6	Member, Curriculum Committee, Mahatma Gandhi University, Kottayam (2015 - 2018)	2015-2016
7	Member, Curriculum Committee, APJ Abdul Kalam, Technological University (2015 - 2019)	2014-2015
8	Academic Nodal Officer - TEQIP Phase II, GEC Idukki (2014 - 2016)	2014-2015

Positions Held / Other Responsibilities			
S.No	Description	Academic Year	Period
1	Nodal Officer-Online Grievance Cell, GEC, Palakkad.	2019-2020	Currently in Charge in this college
2	HoD - IT, GEC Palakkad (March 2019 onwards)	2018-2019	Currently in Charge in this college
3	Chairman (IT), Board of Examiners, Mahatma Gandhi University, Kottayam	2014-2015	Outside this college
4	HoD - IT, GEC Painavu, Idukki (2014 - 2016)	2013-2014	Outside this college

Research Interests	
S.No	Description
1	Distributed Computing
2	Cloud Computing
3	Internet of Things
4	Big Data Analytics
5	Machine Learning
6	Data Science

Patents					
S.No	Patent No.	Title	Description	During Academic Year	Patent Status
1	202241013392 A	A REAL-TIME AUTOMATIC INTELLIGENT SYSTEM AND METHOD FOR WILD ANIMAL MONITORING AND COUNTING DEVICE BASED ON A DEEP CONVOLUTIONAL NEURAL NETWORK	A REAL-TIME AUTOMATIC INTELLIGENT SYSTEM AND METHOD FOR WILD ANIMAL MONITORING AND COUNTING DEVICE BASED ON A DEEP CONVOLUTIONAL NEURAL NETWORK	2021-2022	Published
2	202041041838	PORTABLE PUBLIC SURVEILLANCE DEVICE WITH AN AI DRIVEN FACERECOGNITION COMPUTATIONAL MODULE FOR LARGE SCALECOMMUNITY POLICING	PORTABLE PUBLIC SURVEILLANCE DEVICE WITH AN AI DRIVEN FACERECOGNITION COMPUTATIONAL MODULE FOR LARGE SCALECOMMUNITY POLICING	2020-2021	Published