

**ANNA UNIVERSITY: : CHENNAI – 600 025
CENTRE FOR RESEARCH**

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attested by
the Head of
the Institution/
Organization.

FACULTY PROFILE

(Applicable to Faculty having Ph.D. Qualification)

1. Name of the faculty member / Industry

Researcher : Dr.P.Ganesh Kumar

2. Designation : Professor & Head

3. Department : Information Technology

4. Office Address with Contact Nos. : K.L.N. College of Engineering,
Pottapalayam 630612, Sivagangai dt
Phone/Mobile/Email : Mobile : +91 98429 61436,
itz.ganeshkumar@gmail.com

5. Anna University Ref. No. for
Supervisor Recognition : **2540005**

6. Working since (present employment) : 16-05-2012

7. Gender : Male

8. Date of Birth & Age : 27-12-1977 & 44

9. Educational Qualification * :

Cate gory	Name of the Degree	Name of the University	Year of Passing	Specialization	% of Marks / Grades obtained	Mode Regular/ Part-time/ Distance/ week-end
Ph.D.	Ph.D	Anna University	2009	Information & Communication	-	Part Time
PG	M.E	Bharathiar University	2000	Applied Electronics	7.91CGPA	Regular
UG	B.E	Madurai Kamaraj University	1999	Inst & Control	71%	Regular

***Attested photocopy of degree certificates shall be enclosed**

10. Professional Experience:As on 01-12-2025

Sl. No	College/Organization	Designation	Period From To		Experience		
					Years	Months	Days
1.	KLN College of Engineering	Professor and Head	26-06-13	Till date	12	5	5
2.	KLN College of Engineering	Professor	16-05-12	07-01-13	0	7	22
3.	Velammal College of Engineering and Technology	Professor and Head	06-06-10	10-05-12	1	11	4
4	Sri Krishna College of Engineering and Technology	Associate Professor	07-10-02	31-05-10	7	7	24
5	Bharath Nikethan Engineering College	Lecturer	01-08-00	15-04-02	1	8	14
Total					24	4	9

11. a. Title of Ph.D. Thesis : Certain Investigations on testing the quality and remote Sensing of Instruments using VI
b. Faculty in which Ph.D. was awarded : Information & Communication Engg
c. Area of specialization in Ph.D. : Wireless Sensor Networks, IoT

12. Journal Publications

SCI, Scopus Indexed Journal

1. C.Girija, P.Ganesh Kumar, " Kidney Image Segmentation from CT for Disease Diagnosis based on Deep Extreme Cut and NASNet-Bi LSTM model using Generative AI for Improved Resolution ", Applied Soft Computing (Elsevier), <https://doi.org/10.1016/j.asoc.2025.113641>,2025.(**SCI Indexed- Impact Factor 6.6**) **AU List Serial No: 325**
2. Rajeeve Dharmaraj, P.Ganesh Kumar, “ A FD-EDL and Novel Clustering-Based Intrusion Detection System using G-WEFRPO in MANET Environment” , Transactions on Emerging Telecommunication Technologies (John Wiley & Sons), Vol 36, Issue 5,e70127, 2025.(**SCI Indexed- Impact Factor 0.997**)**AU List Serial No: 5890**
3. D. Pravin Kumar, P. Ganesh Kumar, "Cluster Based Routing Protocol Design Using Gated Fusion Adaptive Graph Neural Network in Wireless Sensor Networks", IETE Journal of Research (Taylor & Francis). Vol 71, Issue 3, pp 996-1008,2025(**SCI Indexed- Impact factor 1.5**) **AU List Serial No: 10236**
4. D. Pravin Kumar, P. Ganesh Kumar, "Implementation of optimal routing in heterogeneous wireless sensor network with multi-channel Media Access Control protocol using Enhanced Henry Gas Solubility Optimizer", International Journal of Communication System (Wiley). Volume 38, Issue 1,2025(**SCI Indexed- Impact factor 1.7**) **AU List Serial No: 7291**
5. M. Satheesh Kumar, P. Ganesh Kumar, A public static agreement key based cryptography for secure data transmission in WSN based Smart Environment application, Expert Systems with Applications, Volume 246, 2024, ISSN 0957-

4174, <https://doi.org/10.1016/j.eswa.2024.123184>. **(SCI Indexed- Impact factor 8.5)AU List Serial No: 1070**

6. Ravikumar P, Ganesh Kumar P., "A novel energy-efficient routing protocol for industrial WSN using hybrid COOT-LS algorithm with LSTM-based DOM prediction." International Journal of Communication Systems. 2024; 37(3): e5656. Volume 37, Issue 3, Feb 2024, doi:10.1002/dac.5656. **(SCI Indexed)AU List Serial No: 7291**
7. S.Arun Kumar, P.Ganesh Kumar “ Performance and analysis of Trans multiplexers using Decimator and Interpolator ”, Journal of Circuits, systems and Computers(JCSC),World Scientific Publishing Company, Vol.28,No.1,Jan 2019. . ISSN: 0218-1266 (Print): ISSN: 1793-6454 (Online)) **(SCI Indexed) (IF:0.481)AU List Serial No: 10602**
8. S.Kamalesh, P.Ganeshkumar “Reliable Data Aggregation in Wireless Sensor Network Using SVM based Failure Detection and Loss Recovery”, Journal of Experimental & Theoretical Artificial Intelligence(Taylor & Francis),DOI:10.1080/0952813X.2015.1132262England ,Jan 2016.(ISSN: 0952-813X (Print), 1362-3079 (Online))**(SCI Indexed) (IF:0.527)AU List Serial No: 7683**
9. Srie Vidhya Janani. E, P.Ganeshkumar “Evaluating the Technical barriers of large scale Sustainable Wireless Sensor Network”, Resources Policy-The International Journal (Elsevier Science), England, Volume 46, pp134-141, Dec 2015. (ISSN: 0301-4207) **(SCI Indexed) (IF:2.288)AU List Serial No: 2623**
10. P.Santhakumar, P.GaneshKumar "Computer Aided Brain Tumor Detection System using Watershed Segmentation Techniques", International Journal of Imaging Systems and Technology- A Wiley Company, Volume 24,Issue 4,pp297-301,United States.Dec2015.(ISSN: 1098-1098) **(SCI Indexed) (IF:1.301)AU List Serial No: 7323**

Patents (Granted: 9 | Filed: 3)

Granted Patents (India & China)

1. **IoT Based Water Fertigation System and Method Thereof**
 - **Publication No.:** 201741041658 | **Date:** 21-Nov-2017
 - **Publication Type:** Invention Patent, India
 - **Patent No.:** 536856 | **Applicant:** S. Kamalesh (Co-Inventor)

2. **Data Sharing Control Device and System with Multiple Communication Protocol Interfaces**
 - **Publication No.:** CN203289478U | **Date:** 13-Nov-2013
 - **Patent Type:** Utility Patent (SIPO, China)
 - **Patent No.:** ZL201320331495.7
 - **Applicant:** Top Network Co. Ltd., Linyi, China
3. **Data Sharing Control Device, System and Method with Various Types of Communication Protocol Interfaces**
 - **Publication No.:** CN103338189A | **Date:** 16-Jul-2014
 - **Patent Type:** Invention Patent (SIPO, China)
 - **Patent No.:** ZL201310227193.8
 - **Applicant:** Top Network Co. Ltd., Linyi, China
4. **Data Having Plurality of Communication Protocol Interface Sharing Control Method**
 - **Publication No.:** CN103338189B | **Date:** 16-Jul-2014
 - **Patent Type:** Invention Patent (SIPO, China)
 - **Patent No.:** ZL201310227493.8
 - **Applicant:** Top Network Co. Ltd., Linyi, China
5. **Computerized Self-Adaptive Testing Method Based on Cognitive Diagnosis**
 - **Patent No.:** CN111460128B | **Date:** 14-Nov-2019
 - **Patent Type:** Invention Patent (SIPO, China)
 - **Applicant:** Linyi Infotop Network Co., Ltd., China
6. **Method for Constructing K12 Education Knowledge Graph Based on Deep Technology**
 - **Patent No.:** CN111061884B | **Date:** 14-Nov-2019
 - **Patent Type:** Invention Patent (SIPO, China)
 - **Applicant:** Linyi Infotop Network Co., Ltd., China
7. **Contour Technology-Based Mathematical Symbol Identification Method**
 - **Patent No.:** CN112801098B | **Date:** 14-Nov-2019
 - **Patent Type:** Invention Patent (SIPO, China)
 - **Applicant:** Linyi Infotop Network Co., Ltd., China
8. **Method for Automatically Calibrating Test Question Knowledge Points**
 - **Patent No.:** CN111126051B | **Date:** 14-Nov-2019
 - **Patent Type:** Invention Patent (SIPO, China)
 - **Applicant:** Linyi Infotop Network Co., Ltd., China
9. **Platform Used in Teaching Based on Wisdom Classroom**
 - **Patent No.:** CN113192389A | **Date:** 6-May-2021
 - **Patent Type:** Invention Patent (SIPO, China)
 - **Applicant:** Linyi Infotop Network Co., Ltd., China

Filed Patents (Under Examination – China)

1. **Wisdom Classroom Teaching Aid System**
 - **Patent No.:** CN113212044A | **Date:** 1-Jun-2021
 - **Applicant:** Linyi Infotop Network Co., Ltd., China

2. **Handheld Operation Terminal Based on Wisdom Classroom**
 - **Patent No.:** CN112667026A | **Date:** 21-Dec-2020
 - **Applicant:** Linyi Infotop Network Co., Ltd., China
 3. **Online Updating Method of Test Question Bank Based on Automatic Duplicate Removal**
 - **Patent No.:** CN111125443A | **Date:** 14-Nov-2019
 - **Applicant:** Linyi Infotop Network Co., Ltd., China
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Signature of the Faculty

Signature of Head of the Institution /Industry

(Name with seal)