PROFILE OF Dr. N. SARAVANAN

Dr. N.SARAVANAN, Ph.D., MISTE.

Professor & Head

Department of Information Technology

KS R Institute for Engineering and Technology

(An Autonomous Institution)

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Dr. N. Saravanan is working as Professor & Head of Information Technology at K S R Institute for Engineering and Technology,Tiruchengode, Namakkal (dt), Tamil Nadu, India. He passed BE in Computer Science and Engineering from Madras University in 1999 and ME in Computer Science and Engineering from Anna University in 2007. He completed his doctorate from Anna University in 2018. He is the member of ISTE. He is trained Evaluator & Resource Person of NBA (National Board of Accreditation) by AICTE, New Delhi. He faced AICTE and Anna University Inspections as Head of the department. His research interest is mainly in mobile computing, networks, ad hoc and sensor networks, Cloud Computing, and Internet of Things. He guided several real time projects in PG and UG level for automation using the Internet of Things. He published several research papers in international journals and presented papers in international conferences. He has done severalconsultancies works at various organizations. He has delivered several guest lectures at various organizations. He also organized several workshops, conferences, and seminars.

ACADEMIC QUALIFICATIONS:

Degree	Area of Specialization	Class Obtained	% of Marks	Name of the School/University	Year of Passing
Ph.D	Computer Science and Engineering	Highly Commended	--	Anna University, Chennai	October 2018
M.E	Computer Science and Engineering	First with Distinction	78%	Anna University , Chennai	April 2007
B.E	Computer Science and Engineering	First	64. 5%	University of Madras	April 1999
H.Sc	Science, Maths	First	78%	E. R. Higher Secondary School, Trichy	Mar 1995
S.S.L.C	-	First	82%	Govt. Boys Higher secondary school, Mannachanallur.	Mar 1993

Academic Positions:

Position	Period	Institutions	Nature of Work	Experience
Professor	1.04.2023 to Till date	K.S.R Institute for Engineering and Technology, Tiruchengode-637 215.	Teaching and Research	4 Months
Professor	02.07.2018 to 31.03.2023	K.S.R College of Engineering, Tiruchengode-637 215.	Teaching and Research	2 years 6 Months
Associate Professor	01.07.2009 to 01.07.2018	K.S.R College of Engineering, Tiruchengode-637 215.	Teaching and Research	9 years
Assistant Professor	01.07.2008 to 30.06.2009	K.S.R College of Engineering, Tiruchengode-637 215.	Teaching and Research	01Year

Sr. Lecturer	01.07.2005 to 30.06.2008	K.S.R College of Engineering, Tiruchengode-637 215.	Teaching and Research	03 Years
Lecturer	02.07.2001 to 30.06.2005	K.S.R College of Engineering, Tiruchengode-637 215.	Teaching and Research	04 Years
Lecturer	14-06-1999 to 21-05-2001	Aarthi Polytechnic College, Tiruchengode-637 215	Teaching	02 Years
				23 Years 06 Months

Academic Excellency

- **Deputy Controller of Examinations** in K.S.R College of Engineering, Tiruchengode, from 2016 to till date.

- **Head Software Development Team** in K.S.R College of Engineering, Tiruchengode, from 2011 to 2016.

- **Head of Department (IT)** in K.S.R College of Engineering, Tiruchengode, from 2007 to 2011.

ADMINISTRATIVE SKILLS:

As a HOD

- Conducted the UG and PG programmes according to the AICTE and Anna University guidelines.

- Inspected the departments and their functioning on day to day.

- Worked to develop the department in all areas for an all-round growth of the institute.

- Arranged and organized the various faculty and staff development programmes.

- Counselling the faculty members in various academic and administrative matters.

- Conducted regular meetings of the various committees for better liaison and coordination in academic, administration, finance, etc. and to exchange the ideas and to cooperate in various activities .

- Monitored smooth running of the classes & ensure timely completion of syllabus.

- Monitored academic discipline among the students.

- Monitored smooth running of the Class tests and Ensured timely evaluation of the test answer scripts.

- Taken necessary care and special coaching for weak students and absentees.

- Consolidated the weekly activities and sending reports (Academic) to the Principal.

- Interacted with students to know their academic problems and taken necessary actions.

- Completed the Academic audit (Twice in a month) and prepare necessary reports and based on the reports, taken corrective actions if any for the timely completion of syllabus.

- Maintained Lesson plan, Question bank, Lab Manual & Tutorial Question of all subjects.

- Checked the readiness of class rooms, laboratories.

- Monitored Seminar / Guest Lecture (Students / External Faculty).

- Prepared & Maintained consolidate Attendance / Academic Performance of all students for all semesters.

- Maintained all attendance / mid exam papers / Internal marks as per Anna University requirement.

- Followed up Industrial Visit / In-plant Training (Winter & Summer) Placement / Industry Institute Interaction / MOU Signing.

- Conducted Soft skill Training Programs.

- Organized Workshop / Seminar / FDP.

- Encouraged the faculty& Student to attend the Conference / FDP etc.

- Followed up the maintenance of College website.

- Monitored admission

As a DCOE

- Development of EDMS (Examination Data Management System) for internal mark processing.

- Publishing the Examination schedule in the college website, e-circular & notice board.

- Appointment of the internal and external hall superintendent for theory & laboratory examinations.

- Appointment of squad for both theory and practical examinations.

- Generation of dummy numbers and Conduction of centralized valuation.

- Publishing the results in the college website, e-circular.

- Issuing photo copies of answer script to the students for applying revaluation. Reevaluate the answer script with the recommendation of subject expert and Head of the department
- Printing and issuing grade sheet to the students.

HIGHLIGHTS OF MAJOR CONTRIBUTIONS IN TEACHING PROFESSION:

- Anna University Representative for conducting Anna University B.E / B.Tech Degree Theory Examinations.
- Conducting AICTE Sponsored Faculty Development Programme on MOBILE COMPUTING during 13 – 24 July 2006.
- Assist to conducting Anna University Faculty Development Programme on SOFTWARE ENGINEERING during Dec 2006.
- Organized a National seminar on 'Mobile Agent Application" sponsored by AICTE during September 2007.
- Organized a National seminar on "Cloud Computing" sponsored by AICTE during July 2010.
- Organized a National level Technical Symposium ASTHRA – 2K11.
- A member of auditing committee in Anna University of technology, Coimbatore
- N.S.S. & Red Cross Officer from 2005 to 2011, at K.S.R College of Engineering, Namakkal under Anna University, Chennai.
- ISO 9001 – 2000 – Management Representative and Trained internal auditor.
- Life member in Indian Society for Technical Education
- Received cash awards for securing 100% results in number of subjects
- Member of BOS in information Technology.

LIST OF PUBLICATIONS AND PRESENTATIONS

INTERNATIONAL JOURNALS

1. **Dr. N. Saravanan,** Ajithkumar S,Dr.M.Somu, Dr.A.Rajivkannan, 2020 "A Survey on Efficient Crop Yield Prediction Using Random Forest Algorithm", International Journal of Innovative Research in Computer & Communication Engineering,Volume 8, Issue 12.

2. **Dr.N.Saravanan,** Ajay K M , Mohana Raghul R , Gowthaman M 2020, "A Versatile Sentiment Analysis of Multiple Online Reviews", International Journal of Research and Advanced Development (IJRAD), ISSN: 2581-4451, Volume 4, Issue 1

3. **Dr.N.Saravanan**, 2020, "Semantic-based Follower Recommendations on Twitter Network", International Journal of Research and Advanced Development (IJRAD), ISSN: 2581-4451, Volume 4, Issue 2

4. **Saravanan, N,** Subramani, A & Balamurugan, P 2017, 'Optimal Route Selection in MANET Based on Particle Swarm Optimization Utilizing Expected Transmission Count', Cluster Computing - The Journal of Networks, Software Tools and Application, Springer International Publishing (**Sl.No: 2290 in Annexure - I Journal List**).

5. **N Saravanan** , Dr. A Subramani," Dependable and Energy Economical direction finding protocol for MANET based on Link Cost metrics using Mobile Agents "International Journal of Communication and Networking System" IJCNES Volume 6 Issue 1,2017,ISSN:- 2278-2427

6. **N.Saravanan**, M Murugesan, "Performance Evaluation of Power aware broadcasting algorithms in Mobile Ad Hoc Networks", International Journal of Innovative Research in Science, Engineering and Technology, Volume 3, Number 1, 2017, pp.1283-1288, ISSN 2347-6710.

7. **N Saravanan** , Dr. A Subramani, P sivakumar, "Mobile Agents based Reliable and Energy Efficient Routing Protocol for MANET", International Journal of Intelligent Engineering and Systems , Vol.9, No.3,2016, ISSN: 2185 -3118.

8. **N. Saravanan** ,K.Sindhuja, "Predicting Relative Risk for Diabetes Mellitus Using Association Rule Summarization Techniques", Imperial journal of Interdisciplinary Research (IJIR) vol. 2 Issue-6, 2016, ISSN: 2454-1362

9. **N. Saravanan**, Sugandha Raj," Enhanced Security Using Distributed Reprogramming Protocol in Wireless Sensor Networks", International Journal of Emerging Technology in Wireless Sensor Networks, 2015, ISSN: 0976-1353

10. **N. Saravanan** 'A Survey of Predicting Relative Risk for Diabetes Mellitus Using Association Rule Summarization Techniques", International Journal for Scientific Research & Development, 2015, ISSN: 2321- 0613.

11. **N. Saravanan**, R. Bavya, "VANET Routing Protocol for its Communication using Security Retransmission data with WIMAX", International Journal of Communication and media Science(SSRG-IJCMS), vol 2 Issue 1.,2015, PP 20-23, ISSN: 2349-641X

12. **N. Saravanan**, M. Geethanjali, "Attribute Based Encryption with Privacy Production in Clouds", International journal of Innovative Research in Computer and Communication Engineering, Vol.2 Special Issue 1., 2014, PP 1502-1502., ISSN: 2320 – 9801

13. **N. Saravanan**, R Dhivya, "Authentication and intrusion Detection System for Mobile Ad-Hoc Networks ", International journal of Innovative Research in Computer and Communication Engineering, Vol.2 Special Issue 1., 2014 PP 1450 – 1456, ISSN: 2320 – 9801.

14. **N.Saravanan**, M Murugesan, "Identification And Investigation Of the User Session For LAN Connectivity Via Enhanced Partition Approach Of Clustering Techniques", International Journal of Computer Science, Engineering and Information Technology, Volume 2, Number 6, 2012, pp.41-49, ISSN 2231-3605.

15. **N. Saravanan**, M Murugesan, "Manipulate of Effort Associated Variables on Human Errors in Depth" International Journal of Advanced Computer Science and Technology, Volume 2, Number 1, 2012, pp. 1-11, ISSN 2249-3123.

16. **N. Saravanan**, M Murugesan, "Arabic Vowels Fuzzy Neural Network Detection" International Journal of Networks and Applications, Volume 2, Number 1, 2011, pp.1-7, ISSN 0976-5859.

INTERNATIONAL CONFERENCES

1. **N. Saravanan**, "Dependable and Energy Economical direction finding protocol for MANET based on Link Cost metrics using Mobile Agents", the global conference on mobile computing , AC Tech, Anna university, Chennai.2017

2. **N. Saravanan**, "Reliable and Energy Saving forwarding Technique for Wireless Sensor Networks Using Multipath Routing", Dr. Pauls Engineering College,2015.

3. **N. Saravanan**, "VANET Routing Protocol for its Communication using Security Retransmission data with WIMAX", Karpagam Collge of Engineering,2015.

4. **N. Saravanan**, "Gender Issues in E- Society", Annamalai Univarsity, 2005

NATIONAL CONFERENCES

1. **N. Saravanan**, "Enhancing Network Management using Mobile Agent", Saurashtra University, Rajkot, 2006

2. **N. Saravanan**," Enhancing Network Management using Mobile Agent",Bharathiar University, 2007

3. **N. Saravanan**, "Attribute based Encryption with privacy protection in Cloud"2014

Workshops/ Seminars Attended:

S.No	Name of the programme	Organized by	Date & Duration
1	Computer Networks Lab	K.S.R. College of Engineering	18th October 2006
2	Design and Analysis of Algorithm	IARCS & K. S. Rangasamy College of Arts and Science	18th & 19th October 2008
3	Advancements in Digital Signal and Image Processing	K. S. R. College Engineering	03rd February 2009
4	Cloud Computing and its Research applications	K. S. R. College of Engineering	28th January 2011
5	Research Methodologies	Kumaraguru College of Technology, Ciombatore	15th & 16th April 2011
6	An Intelligent Based Wireless Ad Hoc and Sensor Network and its Applications with Ocean Technology	K. S. Ranagasamy College of Technology	19th & 20th August 2011
7	Enterprise Computing Lab	K. S. R. College of Engineering	2nd & 3rd December 2011
8	Cyber Security Challenges and Role of Intelligence	K. S. R. College of Engineering	14th & 15th September 2012
9	Research Aspects of M2M Technology and Wireless Sensor Networks in Space Communication	K. S. Ranagasamy College of Technology	30th Nov to 1st Dec 2012
10	Challenges in Research	AVS Engineering College	17th March 2013
11	Writing Effective Research Paper(s) and Thesis	K.S.R. College of Engineering	19th July 2014
12	building and management of e resources: Issues and Challenges	K.S.R. Institute for Engineering and Technology	6th Feb 2015
13	Patent Filing in India and other Countries	K.S.R college of Engineering	8.08.2016

Winter/Summer Schools Attended:

S.No.	Name of the programme	Organized by	Date & Duration
1.	Research Initiative in Data Mining for Web Intelligence	K. S. R. College of Engineering	22nd June to 3rd July 2012
2.	Security Issues in Utility Computing	K. S. R. College of Engineering	17th to 30th May 2013
3.	Research Challenges and Emerging Trends in intelligent Information Retrieval	PSG College of Technology	29th April to 12th May 2013

Winter/Summer Schools/Workshops/Seminars organized:

S.No	Name of the programme	Sponsored by	Duration
1.	Cloud Computing	AICTE	2nd & 3rdjuly 2010
2.	Mobile Computing	AICTE	2007

REFERENCES:

1. Dr. M. Murugesan,
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Anurag Engineering College,
Anandagiri (V&M), Suryapet(Dt),
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2. Dr. A.Krishnan,
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[Dr. N. Saravanan]