




SriramEngineeringCollege

Department of Computer Science and Engineering

Name & Photo :		Dr. D. HEMANAND 
Designation:		Assistant Professor
Qualification :	UG(Specialization)	B.E (Electronics & Communication Engineering)
	PG(Specialization)	M.E (Computer Science & Engineering)
	Ph.D., (Specialization)	Ph.D., (Computer Networks& Security)
Area of Specialization :		Computer Networks & Security, Mobile Computing, Mobile Ad-hoc Networks, Cloud Computing
Experience :	Teaching	13.8Yrs
	Industry	06 Mons
Paper Presentation in Seminar/Conference /Workshop (Specify only numbers)	National	13
	International	06
Participation in (Specify only numbers)	Seminar/Conference	07
	SDPs/FDPs	36
	Training Programs	15
Subjects Handled		Computer Networks, Mobile Computing, Operating Systems, Database Management System, Computer Architecture, Multi core Architecture & Programming, Information Security, Information Retrieval, Grid & Cloud Computing, Digital Principles and System Design

Experience Details: (Teaching & Industrial)

<i>Name of the Institution</i>	<i>Designation</i>	<i>Total No. of Years / Months</i>
Sriram Engineering College, Perumalpattu.	Assistant Professor	13 Yrs 03 Mons
Tagore Engineering College, Vandalur, Chennai.	Lecturer	05 Mons
Laminar Infotech, T.Nagar, Chennai.	Programmer	06 Mons

Paper Presentation in Conferences/FDP/Workshop/Seminar/Guest Lecture:

<i>S.NO</i>	<i>DATE</i>	<i>VENUE</i>	<i>EVENT</i>	<i>TITLE</i>
1	06.03.2020	Sriram Engineering College	National Conference (NCCETCC'20)	A Novel Scheduling Algorithm Based on Reverse Auction Mechanism Cloud Resource Allocation
2	27.02.2019	Sriram Engineering College	National Conference (NCCETCC'19)	A Novel Approach for Cloud Auditing using Mediocre Homomorphic Encryption(MHE) Scheme
3	27.02.2018 to 28.02.2018	Hindusthan Institute of Technology, Coimbatore.	National Conference on Advances in Computing Technologies(NCACT-2018)	Implementation of IoT in Smart Class
4	10.01.2018 & 11.01.2018	Sriram Engineering College	International Conference on Cutting Edge Technologies in Computing & Communications(ICCETC'18)	Cloud Based Secure Storage Management for Dynamic Groups. Intelligent Smart Home Automation and Security System using Arduino and Wi-Fi
5	10.03.2017	Sriram Engineering College	National Conference on Cutting edge Technologies in Computing and Bioinformatics (NCCETICB'17)	Placement portal control system
6	12.04.2016 To 13.04.16	Idhaya Engineering College for Women, Chinnasalem	International Conference ICCIEEEE'16	Detection of selfish Node and Malicious node in MANET using Collaborative contact based watchdog

7	24.03.2016	Sriram Engineering College	National Conference on Cutting edge Technologies in Computing and Bioinformatics (NCETICB'16)	'Detecting Selfish and malicious Node in Manet using Watch dog
8	23.03.2016	Velammal Engineering College, Chennai	National Conference on Advanced Computing Technologies	Data hiding using Cryptography and Steganography'
9	20.03.2015 To 21.03.2015	Ranganathan Engineering College, Coimbatore	International Conference on Recent Advances and Innovations in Engineering and Technology (ICRAIET'15)	Voice Based Device Control using Android Application
10	09.03.2015	RMKCET, Chennai	National Conference on Computing Technologies Today's and Beyond (NCCTTB'15)	Secret Sharing Schemes with diverse image media
11	15.12.2014 To 16.12.2014	RMKCET, Chennai	International Conference on Recent Trends in Electrical, Electronics, Computing and Communication- ICRTEECC	Energy-Balance Routing and Throughput Maximization for Wireless Sensor Networks
12	04.04.2014 To 05.04.2014	Anna University, BIT, Tiruchy	TEQIP II Sponsored National Conference NCICIT'14	Secured Effective Routing in MANETs
13	10.02.2014	RMKCET, Chennai	National Conference on Computing Technologies Today's and Beyond (NCCTTB'14)	Obtaining Non- Overlapping Clustering by Clustering Ensembles
14	27.06.2012 To 29.06.2012	Jaya Engineering College, Chennai	International Conference on Computing, Communication and Information Technology	An Intelligent Mobility Model for Mobile Ad Hoc Networks
15	19.03.2010	Velammal Engineering College, Chennai.	National Conference on Computer Intelligence and network Security '10 CINS'2010	An Improvement of the standard Hough Transform to Detect Line Segments
16	03.03.2010 & 04.03.2010	Sriram Engineering College, Thiruvallur.	'Emerging trends in computer Applications'10	Building Extraction form Remote Sensing Imageries by Data Fusion Techniques

17	08.02.2007	SNS College of engineering, Coimbatore.	National conference 'NCNICS'07'	On the Effect of Group Mobility to Data Replication in Ad-hoc Networks
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S.N O.	DATE	VENUE	EVENT	TITLE
1	06.03.2021 10.03.2021	Arya College of Engineering & I.T., Rajasthan	TEQIP-III (ATU) Online Five Days FDP	Innovation and Intellectual Property Rights
2	25.01.2021 30.01.2021	Sridevi Women's Engineering College, Hyderabad	Six Days AICTE Sponsored Online STTP	Block Chain Technology and its Applications
3	14.09.2020 19.09.2020	R.M.D. Engineering College	Six Days AICTE Sponsored Online STTP	Recent Trends and Challenges of Internet of Things in Automation-III
4	24.08.2020 28.08.2020	PSNA College of Engineering & Technology	5 Days Online FDP-ATAL-AICTE-PSNACET	Block Chain
5	03.08.2020 08.08.2020	R.M.D. Engineering College	6 Days AICTE Sponsored Online STTP	Recent Trends and Challenges of Internet of Things in Automation-II
6	27.07.2020 03.08.2020	St.Joseph's Institute of Technology	8 Days FDP	OBM752-Hospital Management
7	20.07.2020 25.07.2020	Syed Ammal Engineering College, Ramanathapuram	AICTE Sponsored Six Days Online STTP	Soft Computing Techniques in Engineering Applications
8	13.07.2020 18.07.2020	R.M.D. Engineering College	Six Days AICTE Sponsored Online STTP	Recent Trends and Challenges of Internet of Things in Automation-I
9	09.07.2020 15.07.2020	Hindusthan College Of Arts And Science, Coimbatore	7 Days International Online Webinar	Current Scenario of Work Management & ICT Tools For Teaching And Learning Process
10	06.07.2020 12.07.2020	Bannari Amman Institute Of Technology	one week online FDP	Being a Super Teacher
11	01.07.2020 08.07.2020	Hindusthan College Of Arts And Science, Coimbatore	One Week National Online Workshop	Learning Management System & E-Content Development Tools
12	29.06.2020 03.07.2020	R.M.K. College of Engineering and Technology	One Week FDP	Embracing the Creative Side of Teaching and Learning Methods
13	22.06.2020 28.06.2020	Panimalar Institute of Technology	7 Days Online FDP	Artificial Intelligence with Data Science
14	12.06.2020 17.06.2020	IIT Bombay	IIT Bombay-Spoken Tutorial-5 Days FDP	Arduino

15	15.06.2020 19.06.2020	Kurukshetra University, Haryana	AICTE-ATAL Academy 5 Days Online FDP	Block Chain
16	12.06.2020 14.06.2020	Sandip Institute of Engineering and Mgmt., Mahiravani, Nashik	International FDP	Future Advancements and Applications of Internet of Things
17	25.05.2020 29.05.2020	Punjab Engineering College, Punjab	Online FDP-ATAL-AICTE-PEC	Cyber Security
18	18.05.2020 22.05.2020	Punjab Engineering College, Punjab	Online FDP-ATAL-AICTE-PEC	Augmented Reality(AR)/Virtual Reality(VR)
19	11.05.2020 20.05.2020	IIT-Roorkee	FDP	Deep Learning and its Applications
20	14.05.2020 18.05.2020	Spoken Tutorial-IIT Bombay	5 Days Online FDP-Spoken Tutorial-IIT Bombay	PHP & MY SQL
21	11.05.2020 15.05.2020	Data Science using R	FDP-NITTTR	Data Science using R
22	28.04.2020 11.05.2020	VEI Technologies, Chennai	Online FDP	Cloud Computing
23	26.04.2020 09.05.2020	S.A. College of Arts and Science	STTP	I5 - Innovation, Incubation, Intrapreneur, Invention & Intellectual Property
24	20.04.2020 02.05.2020	Sathyabama University, Chennai	Webinar Series	Novel Microbes and Newer Threats
25	22.11.2019 05.12.2019	S.A. Engineering College	AICTE FDP	Artificial Intelligence & Advanced Machine Learning using Data Science
26	09.08.2019	Wisen IT Solutions	Seminar	React Native
27	15.07.2019 16.07.2019	Rajalakshmi Engineering College	National Seminar	Computational Intelligence
28	Feb to Apr 19 (8 Weeks)	Online Mode	NPTEL-AICTE FDP	Cloud Computing
29	07.02.2019	S.A. Engineering College	National Seminar	Role of Big Data in Cyber Security
30	10.12.2018 12.12.2018	S.A. Engineering College	FDP	Wireless Sensor Networks and the Internet of Things- "A Research Perspective"
31	24.08.18	Sriram Engineering college	Workshop	Android App Development
32	18.06.2018 22.06.2018	Sathyabama Institute of Science and Technology, Chennai	Workshop	Modelling and Simulation in Material Science and Engineering
33	07.05.2018 12.05.2018	R.M.D. Engineering College, Chennai	AICTE-ISTE Induction Programme	IoT Technologies

34	12.04.2018 13.04.2018	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology	Workshop	Hands on Training with cloud DevOps Tools for Data Analysis
35	25.01.2018	Sriram Engineering College	IEEE Workshop	New Gen Technologies
36	13.12.2017 15.12.2017	S.A. Engineering College, Chennai	FDP	Automata Theory and Compilers
37	13.11.2017 20.11.2017	Panimalar Engineering College, Chennai	FDTP	Multi-core Architecture and Programming
38	30.08.2017 31.08.2017	S.A. Engineering College, Chennai	National Workshop	Python Programming
39	07.06.2017 09.06.2017	S.A. Engineering College, Chennai	FDP	CS6702 Graph Theory and applications
40	20.12.2016 22.12.2016	S.A. Engineering College, Chennai	National Workshop	Data Science Research
41	08.01.2016 09.01.2016	Sri Sairam Engineering College, Chennai	FDP	Mobile Application Development
42	22.06.2015 26.06.2015	R.M.K.C.E.T., Chennai	STTP	Cloud Infrastructure and services
43	29.01.2015	Anna University, Chennai	Workshop	Research Methodology
44	17.12.2014 23.12.2014	S.A. Engineering College, Chennai	FDP	Recent Trends in Wireless Sensor Networks
45	09.12.2013	R.M.K. College of Engineering & Technology, Chennai	Workshop	Mobile Android OS and Applications
46	10.04.2013	BIT, AU, Tiruchi	Workshop	Bio Signals: Data Mining Perspective
47	16.02.2013	Anna University, Tiruchi	Workshop	Networking Technologies
48	04.06.2012	Eswari Engineering college, Chennai	FDP	CS2402 Mobile & Pervasive Computing
49	14.12.2011	Eswari Engineering College, Chennai	National Workshop	Recent Trends In Cloud Computing
50	22.06.2011 24.06.2011	St.peter's University, Chennai	FDP	CS 2406 Open Source Lab
51	31.01.2011 04.02.2011	Infosys, Chennai	Campus Connect	Deep Dive faculty Enablement Program
52	24.05.2010 04.06.2010	CDAC, Hyderabad	Faculty Updation Training	EJB and Web Application Security
53	17.03.2010	Sriram Engineering College, Tiruvallur	National Seminar	Recent Trends in Wireless Technology
54	19.02.2010	Rajarajeswari Engineering College, Chennai	Workshop	Distributed Computing
55	27.01.2010 31.01.2010	Sriram Engineering College, Tiruvallur	Workshop	Recent advances in VLSI
56	04.07.2009	Veltech Multitech Engineering College,	FDP	Cryptography & Robotics

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List of Publications (Referred International Journals):

S. No.	Title of the Paper	Name of the International Journal	Year of Publication
1	A Systematic Conceptual Review-Blockchain as a Next Generation E-Government Information Infrastructure	European Journal of Molecular & Clinical Medicine	Vol 07 no. 06 pp 2515-8260 (2020)
2	IoT Based Data Streaming in Distributed Hybrid Cloud Using Sparkflow	European Journal of Molecular & Clinical Medicine	Vol 07 no. 02 pp 3250-3257 (2020)
3	A Novel Scheduling Algorithm Based on Reverse Auction Mechanism for Cloud Resource Allocation	International Journal of Trendy Research in Engineering and Technology	Vol 4 no.1 pp 18-20 (2020)
4	Computational study on unconventional superconductivity and mechanical properties of novel antiferromagnetic (Ca,Sr,Ba)Fe ₂ Bi ₂ compounds	International Journal of Modern Physics B	Vol.33 no.28, pp 1950341-1-17 (2019)
5	Theoretical Investigation on Occurrence of Unconventional Superconductivity in Mg(1-x)TxB ₂ Compounds	Advanced Materials Proceedings	Vol.4 no.3, pp 125-127(2019)
6	A Novel Approach for Cloud Auditing using Mediocre Homomorphic Encryption(MHE) Scheme	International Journal of Trendy Research in Engineering and Technology	vol.3 no.2, pp 10-14 (2019)
7	Cloud Based Secure Storage Management for Dynamic Groups	International Journal of Advanced Research Trends in Engineering and Technology	Vol.5 no.1, pp 147-157 (2018)
8	A Realistic Smart Model for MANETs	International Journal of Trendy Research in Engineering and Technology	vol.1 no.2, pp 12-15 (2017)
9	Mobile Adhoc Networks - An Enhanced Scope Localization Based Decision Making For MANET Energy Efficient Shortest Path Routing	Asian Journal of Research in Social Sciences and Humanities	vol. 6, no.10, pp 2128-2142 (2016)
10	Performance of Security Algorithm against Malicious Nodes Based Wireless Sensor Network	Asian Journal of Information Technology	vol. 19, no. 15 pp 3687-3692 (2016)

11	Encrypted Multi- Keyword Search With Data Chunking And Replica Implementation For Secured Cloud Storage	International Journal of Basic Science and Engineering Research	Vol. 1, no. 2 (2016)
12	Development of solid state sensor by using CuMoO ₄ – CuO and electronic circuit for digital display of humidity	Journal of Chemical and Pharmaceutical Sciences	Vol. 9, no. 4 (2016), pp 3021-3026
13	Homology modeling of myoglobin for green sea turtle: A computational approach	Research J. Pharm. and Tech	9(9):1461-146 (2016)
14	QoS Routing for Mobile ADHOC Network Environment	Research Journal of Applied Sciences, Engineering and Technology	Vol. 11, no. 9 (2015), pp 1013-1018

Awards and Achievements:

Results Produced

S.NO	Subject Title	Result Produced
1	Advanced Operating Systems	100
2	Object Oriented analysis and Design	100
3	Mobile Computing	98.14

- Received Academic Professional Icon Award from The Institution of Engineers (India) IEI, Tiruvallur Local Centre in the year 2019.
- Received fund from The Institution of Engineers (IEI) for the National Level Technical Symposium (Zerone 2K19) organized in Sriram Engineering College in the year 2019.
- Recognized Reviewer in Journals like Elsevier, Springer etc.,
- Served as Chair for the Technical Paper Presentation sessions in International Conferences.
- Received Silver medal in NPTEL-AICTE Online Course in Cloud Computing during Feb-Apr 2019
- Received Young Achiever Award from Institute for Exploring Advances in Science & Engineering (IEAE) for the year 2018.
- Organized Youth Camp'2018 for the benefit of Plus two students from various schools successfully in our college during the year 2018.
- Received Best Faculty of CSE Department Award for the academic year 2016-2017.
- Received Certificate of appreciation for exemplary work as a placement coordinator for the year 2014-1015.
- Elected as a college Alumni Association vice-president for the year 2013-2014.
- Coordinated the National Conference on Cutting Edge Technologies in Computing & Bioinformatics(NCCETICB'16), (NCCETICB'17) & successfully.
- Coordinated the National Conference 2010 on 'Advanced Computer Networks & Communication' sponsored by CSIR and National Seminar on 'Emerging Trends in Wireless Technology' 2010 successfully.

Membership in Professional Society:

1. (MIE) Member The Institution of Engineers (India),
2. Member Institute of Scholars (InSc)