Faculty Profile

Name of the Faculty Member	:	**Dr. S.Hemalatha**
Name of the Institution	:	**Panimalar Institute of Technology**
Name of the Department	:	**Computer Science and Business Systems**
Gender	:	**Female**
Date of Birth	:	**27-06-1978**
Residential Address	:	**2, Bhagavathy nagar Beside Zion mat,schooSelaiyur Tambaram Chennai – 600 076.** **Mobile No : 9840337793**
E-Mail address	:	**pithemalatha@gmail.com**
Date of Joining	:	**01-06-2016**
Designation as on date of Joining	:	**Professor**
Present Designation	:	**Professor /HOD**
PAN card number	:	**AAZPH9288A**
Number of promotions from date of joining	:	**ONE**

Dr.S.HEMALATHA   M.E.,Ph.D.,

Mobile: (+91) 9840337793

Professional Experience: 22

Objective

- ☐ **To become best in teaching professional**

- ☐ **To establish Research and Development in working organization**

- ☐ **To raising funding project in working organization**

- ☐ **To motivate the budding professional in innovative thinking**

Educational Qualification

- ☐ **PosDoc (Registered in Manipur International University from the academic year 2022 Course work completed . Domain – MANET Security)**

- ☐ **Ph.D (Computer Science and Engineering)**
  - o *January 2016-Year of passing,*
  - o *Specialized in Mobile Security,*
  - o *Anna University, Tamilnadu, India.*

- ☐ *Master of Engineering (* **Computer Science and Engineering***) –* **First Class**
  - o *May 2004-Year of passing. Percentage of Marks 77 %,*
  - o *ArulmiguMeenakshi Amman College of Engineering,*
  - o *Affiliated to Anna University, Tamilnadu, India.*

□ *Bachelor of Engineering (Computer Science and Engineering) – First Class*
  o *April 2000 -Year of passing. Percentage of Marks 70 %,*

  o *ArulmiguMeenakshi Amman College of Engineering ,*

  o *Affiliated to Madras University, Tamilnadu, India.*

□ *Diploma in computer Technology (Computer Science)) – First Class with honor*
  o *April 1997-Year of passing. Percentage of Marks 90 %,*

  o *MeenakshiAmmalpolytechnic,Technical board , Tamilnadu, India.*

_____

Summary of Professional Experience

From 1.03.2022 to till Date : Professor / HOD- CSBS / Panimalar Institute of
                              Technology

From 1.06.2016 to 28-02-2022 : Professor/CSE/ Panimalar Institute of Technology

From 1.7.2013 to 16.03.2016 : Associate Professor, CSE /Sri Lakshmi Ammaal
                              Engineering college

From 1.6.2011 to 30.6.2013 : Associate Professor/ CSE Balaji Institute of Engineering
                              and Technology

From 1.6.2011 to 30.11.2011 : Associate Professor/ K.C.G.College of Technology

From 13-06-2008 to 27.5.2011 :Senior *Assistant Professor, Dept of C.S.E*
                              Tagore Engineering College, Chennai.

From 1.07. 2005 to 30.05.2008 :Assistant Professor/, Dept of IT
                              ShriAndalAlagar College of Engineering

From 2.8. 2000 to 31.05.2005 :Lecturer/,Dept of CSE **Arulmigu Meenakshi Amman**
College of Engineering .

Subjects of Interest

- Network security
- Computer Networks
- Theory of Computation
- Mobile Computing

Subjects Handled

- Computer Networks,
- Computer Architecture
- Software Engineering
- DBMS, C and C++ Programming
- Distributed Computing
- Operating System
- Data Structures
- Theory of Computation
- Advanced Data Bases
- Sensing Technique and Sensors
- Software Requirement Engineering
- System Software
- Object Oriented Analysis and Design

Achievements

- Produced 100 % results and above 90% in many subjects.
- Attended workshop and training programs.
- Presented papers in national and international level conference.
- Published papers in International Journal.
- Published papers in springer and IEEE digital library .
- Acted as a overall ISO coordinator inShriAndalAlagar College of Engineering
- Conducted many national level symposium, workshop and conferences

- Acted as a HOD in ArulmiguMeenakshi Amman engineering college ,ShriAndalAlagar college of engineering and Balaji Institute of Engineering and Technology.
- Acted as a proctor in-charge coordinator in Tagore Engineering college
- Acted as a research coordinator in KCG college of Technology
- Created new CSE department library with the basic amenities of system with all e-books in KCG college of Technology.
- Guided student to do innovative projects.
- Published Computer Programming Book for Computer Science Student.
- Setting Question paper for Deemed University Examination.
- ICTACT Coordinator in Sri Lakshmi Ammaal Engineering College.
- Conducted Symposium
- Conducted IEEE maker event Workshop
- Project Expo
- Hackathon
- Mobile Application Development Contest
- Patent Applied
- Applied Funded Projects in SERB

Journal Publications

SCI and Scopus Publication 2021-22
SCI

1 . B. Sumathy, Pankaj Dadheech Monika Jain, Ankur Saxena, S. Hemalatha, Wenqi Liu,and Stephen Jeswinde Nuagah " A Liver Damage Prediction Using Partial Differential Segmentation with Improved Convolutional Neural Network Journal of Healthcare Engineering Volume 2022, Article ID 4055491, 14 pages https://doi.org/10.1155/2022/4055491.

2. Charu Gandhi,Sayed Sayeed Ahmad, Abolfazl Mehbodniya, Julian ,S. Hemalatha, Haitham Elwahsh, and Basant Tiwari " "Biosensor Assisted Method for Abdominal Syndrome Classification using Machine Learning Algorithm" Computational Intelligence

and Neuroscience Volume 2022, Article ID 4454226, 14 pages https://doi.org/10.1155/2022/4454226.

3. A. V. L. N. Sujith, R. Swathi, R. Venkatasubramanian, Nookala Venu, S. Hemalatha,Tony George , A. Hemlathadhevi, P. Madhu, Alagar Karthick, M. Muhibbullah , and Sameh M. Osman " Integrating Nanomaterial and High-Performance Fuzzy-Based Machine Learning Approach for Green Energy Conversion " Journal of Nanomaterials Volume 2022, Article ID 5793978, 11 pages https://doi.org/10.1155/2022/5793978 .

4. B. Prabhu Kavin, Sagar Karki S. Hemalatha, Deepmala Singh, R. Vijayalakshmi,M. Thangamani,Sulaima Lebbe Abdul Haleem, Deepa Jose, Vineet Tirth,Pravin R. Kshirsagar , and Amsalu Gosu Adigo "Machine Learning-Based Secure Data Acquisition for Fake Accounts Detection in Future Mobile Communication Networks "Wireless Communications and Mobile Computing Volume 2022, Article ID 6356152, 10 pages https://doi.org/10.1155/2022/6356152.

5. SulaimaLebbe Abdul Haleem, Pravin R. Kshirsagar, Hariprasath Manoharan BoppuruRudra Prathap, Hemalatha S, Kukatlapalli Pradeep Kumar, Vineet Tirth, Saiful Islam,Raghuveer Katragadda,and Temesgen Abeto Amibo " Wireless Sensor Data Acquisition and Control Monitoring Model for Internet of Things Applications " Scientific Programming Volume 2022, Article ID 9099163, 9 pages s://doi.org/10.1155/2022/9099163.

6. Golda Dilip, Ramakrishna Guttula, Sivaram Rajeyyagari, Hemalatha S, Radha Raman Pandey, Ashim Bora, Pravin R Kshirsagar, Khanapurkar M M, and Venkatesa Prabhu Sundramurthy " Artificial Intelligence-Based Smart Comrade Robot for Elders Healthcare with Strait Rescue System "Journal of Healthcare Engineering Volume 2022, Article ID 9904870, 12 pages https://doi.org/10.1155/2022/9904870

7.V. K. Reshma,Ihtiram Raza Khan , M. Niranjanamurthy, Puneet Kumar Aggarwal S. Hemalatha , 5 Khalid K. Almuzaini , and Enoch Tetteh Amoatey Hybrid Block-Based Lightweight Machine Learning-Based Predictive Models for Quality Preserving in the Internet of Things- (IoT-) Based Medical Images with Diagnostic Applications Computational Intelligence and Neuroscience Volume 2022, Article ID 8173372, 14 pages https://doi.org/10.1155/2022/8173372

8. S. Hemalatha, Pravin R. Kshirsagar , Hariprasath Manoharan, N. Vasantha Gowri, A. Vani, Sana Qaiyum P. Vijayakumar, Vineet Tirth, Sulaima Lebbe Abdul Haleem, Prasun Chakrabarti and Dawit Mamiru Teressa " Novel Link Establishment Communication Scheme against Selfish Attack Using Node Reward with Trust Level Evaluation Algorithm in MANET " Wireless Communications and Mobile Computing Volume 2022, Article ID 6776378, 9 pages https://doi.org/10.1155/2022/6776378.

9.A. R JayaSudha,Pankaj Dadheech , K. Ramalingeswara Prasad, S. Hemalatha, Meghna Sharma, Sajjad Shaukat Jamal , and Daniel Krah "Intelligent Wearable Devices Enabled

Automatic Vehicle Detection and Tracking System with Video-Enabled UAV Networks Using Deep Convolutional Neural Network and IoT Surveillance "Journal of Healthcare Engineering Volume 2022, Article ID 2592365, 14 pages https://doi.org/10.1155/2022/2592365.

10. K. Seethalakshmia,, S. Valli, T. Veeramakali , K.V. Kanimozhi, S. Hemalatha and M. Sambath "An efficient fuzzy deep learning approach to recognize 2D faces using FADF and ResNet-164 architecture Journal of Intelligent & Fuzzy Systems xx (20xx) x–xx DOI:10.3233/JIFS-211114 IOS Press .

11. D. N. V. S. L. S. Indira, Rajendra Kumar Ganiya, P. Ashok Babu, Jasmine Xavier, L. Kavisankar, S. Hemalatha, V. Senthilkumar, T. Kavitha A. Rajaram , Karthik Annam, and Alazar Yeshitla "Improved Artificial Neural Network with State Order Dataset Estimation for Brain Cancer Cell Diagnosis" BioMed Research International Volume 2022, Article ID 7799812, 10 pages https://doi.org/10.1155/2022/7799812

12 . C. Murugamani, S. Shitharth, S. Hemalatha, Pravin R. Kshirsagar , K. Riyazuddin, Quadri Noorulhasan Naveed, Saiful Islam, Syed Parween Mazher Ali, and Areda Batu Machine Learning Technique for Precision Agriculture Applications in 5G-Based Internet of Things " Hindawi Wireless Communications and Mobile Computing Volume 2022, Article ID 6534238, 11 pages https://doi.org/10.1155/2022/6534238

13. P. C. Senthil Mahesh · S. Hemalatha "An Efcient Android Malware Detection Using Adaptive Red Fox Optimization Based CNN "Wireless Personal Communications https://doi.org/10.1007/s11277-022-09765-0

Scopus
1.S. Hemalatha ,Nripendra Narayan Das , Jayanthy Ramasamy ,Suman Madan and P.C. Senthil Mahesh "Automated service assistances to the visually impaired people using android application" World Journal of Engineering © Emerald Publishing Limited [ISSN 1708-5284] [DOI 10.1108/WJE-07-2021-0392].

2.Dr.K.Valarmathia , Dr. S.Hemalatha b , Dr. P.Perumalc , Dr.G.Puthilibaid, Mrs.M. Abiramie " Shoulder Surfing Attack Trusted Vertification – A Survey " ECS Transactions, 107 (1) 16041-16047 (2022) 10.1149/10701.16041ecst ©The Electrochemical Society

3.Dr. S.Hemalatha a ,Dr J.K.Periasamy b , Dr.C.Priya c , Mr.C.Vivekd Dr.Suman Madan e "Enhancement of IOT to connecting People and Applicances using IOE" ECS Transactions, 107 (1) 16351-16358 (2022) 10.1149/10701.16351ecst ©The Electrochemical Society.

4. S. Hemalatha, K.V.Kanimozhi,G. Nagappan, P. C. Senthil Mahesh, R. Priya, M. Vidhya "Atomizing E-Government Facilities Using Big Data Analytic " ECS Transactions, 107 (1) 17323-17333 (2022) 10.1149/10701.17323ecst ©The Electrochemical Society

5 . Dr.S.Hemalatha , M Kavipriyan , A.P Harshavardhan P Gowri Shankar " COVID Online Test Results &Vaccination Booking of Hospitals Based Mobile App " International Journal for Science and Advance Research in Technology IJSART), Volume 7, Issue 6, 109-111 , ISSN [Online] : 2395-1052 , Google Scholar , Impact Factor:6.224 , June 2021 http://ijsart.com/Home/IssueDetail/48838

6. Dr.S. Hemalatha , M. Vidhya , E. Archana , M. Abirami , A.Porselvi , S. Annie Sheryl "Mobile application development aimed at assisting automated services to the visually impaired people using IOT " International Journal of Aquatic Science(IJAS), Vol 12, Issue 02, 2021,3064-3071 , ISSN: 2008-8019 Impact Factor - 7.86, http://www.journal-aquaticscience.com/article_134848_ff6fbaad89086a7dfc268861e7680f98.pdfWeb of Science, 2021.

7. M. Vidhya , Dr.S. Hemalatha , K. Suja Rajeswari ,M. Dhivya , S. Raja ,R.Christina Rini "Covid-19 Detection Using X-Ray Images By Using Convolutional Neural Network " International Journal of Aquatic Science(IJAS), Vol 12, Issue 02, 2021,3072-3083 , ISSN: 2008-8019, Impact Factor - 7.86 , Web of Science 2021 , http://www.journal-aquaticscience.com/article_134849_8993c8f53719cb694eef6f20fc6b0d1e.pdf.

8 Dr. V. Subedha , Dr. Hemalatha A.SenthilKumar , D.Lakshmi M.Thangamani , T.Anni Bernish " DTW Algorithm – Dementia Detection For Driving Pattern In Smart Phones " International Journal of Aquatic Science(IJAS),Vol 12, Issue 02, 2021,3531-3537 , ISSN: 2008-8019 , Impact Factor - 7.86 ,Web of Science, 2021, http://www.journal-aquaticscience.com/article_135524_0b748f4ab88ac0abef55a2eeedb1fbc6.pdf.

9 Hemalatha S , Shobana M , Sindhu G , Anand M ,Anbarasan M "Behaviour-based Relay Strategy on Mobile Ad-hoc Network for Effective Power Consumption " Proceedings of the First International Conference on Computing, Communication and Control System, I3CAC , ISSN:2593-7642 ISBN 978-1-63190-306-9, Scopus DOI 10.4108/eai.7-6-2021.2308855 , June 2021 , https://eudl.eu/pdf/10.4108/eai.7-6-2021.2308855.

10.Dr.P.Perumal , Mr.J.K.Periasamy , Dr.S.Hemalatha , K.V. Kanimozhi , Dr.Suman Madan , Dr.V.Subedha " Trendy Technique To Solve Complex And Report Generation In Secured Distributed Cloud Environment " Design Engineering, Volume 2021,Issue :6,7227- 7236, ISSN: 0011- 9342 , http://thedesignengineering.com/index.php/DE/issue/view/28.

11. Dr. Hemalatha , Dr. VikramNeerugatti , Mr. K. Thyagarajan , Mr.S.Bakthavatsalam Dr.V.Subedha " Thwart Power Failure Attacker Node In Daihaodv Manet With Directional Antennas " Design Engineering, Volume 2021,Issue :6, 7247- 7259 ISSN: 0011-9342 http://thedesignengineering.com/index.php/DE/issue/view/28.

Academic year 2020-21

12. Dr. S. Hemalatha ,Bulagakula Ruthvick ,Epuru Sai Teja Reddy, Pulagalla Srinath " Survey about Medical Image Enhancement and Hiding " International Research Journal of Engineering and Technology (IRJET), Volume 08, Issue 04 ,175-181, e-ISSN: 2395-0056 , p-ISSN: 2395-0072 Google Scholar Impact Factor 7.529 April 2021 https://www.irjet.net/archives/V8/i4/PIT/ICIETET-34.pdf .

13. Dr. S Hemalatha , Jai Arvind , JawaharLakshmanan Jerin Thomas S "Survey about Animal Intrusion Detection Using Computer Vision " International Research Journal of Engineering and Technology (IRJET), Volume 08, Issue 04 ,660-664 e-ISSN: 2395-0056 p-ISSN: 2395-0072 Google Scholar Impact Factor 7.529 April 2021 https://www.irjet.net/archives/V8/i4/PIT/ICIETET-136.pdf.

14.Dr.S Hemalatha , Nellore Lakshmi Keerthana , Nithya Shree J Swetha k "On the Blockchain Based Ciphertext Policy Using Attribute Based Encryption " International Research Journal of Engineering and Technology (IRJET), Volume 08, Issue 04 ,436-439 e-ISSN: 2395-0056 , p-ISSN: 2395-0072 Google Scholar , Impact Factor 7.529 April 2021 https://www.irjet.net/archives/V8/i4/PIT/ICIETET-89.pdf.

Academic Year 2019 – 20

15. Dr. S. Hemalatha , Dr. P. C. Senthil Mahesh "Reliable and Cost Effective Siddha Medicine Treatment Using Modern Computer Android Application "International Conference on Recent Trends in Computing, Communication and Networking Technologies (ICRTCCNT'19) Kings Engineering College, Chennai, TamilNadu, India. https://ssrn.com/abstract=3432800 Certificate

16 .Dr. S. Hemalatha , Haritha.A , Kanimozhi.S , "An Intelligent Algorithm to prevent the creation of Zombie nodes for DDOS attack in a client- server architecture "International Conference on Mathematical Computer Engineering(ICMCE-2020) Vellore Institute of Technology(VIT),Chennai.

17.Dr. S. Hemalatha Dr. P. C. Senthil Mahesh "Reliable Automatic Teller Machine Even The Low PerformanceServer " Innovative Research in Engineering, Applied Science & Management(IC-IREASM-2019 Proceedings on Innovative Research in Engineering, Applied Science & Management(IC-IREASM-2019) ISBN –978-93-89522-02-0 Pg.No.81-84 Certificate.

18. Haritha.A , Kanimozhi.S , KauvyaKrishnaKumar , Dr.S.Hemalatha "An Intelligent Algorithm To Prevent The Creation Of Zombie Nodes For DDOS Attack In Client Server Architecture Special issues on Computer Applications ISSN: 2393 – 9141 35-39 http :// www.internationaljournalssrg.org/uploads/specialissuepdf/SCA-2020/2020/ OTHERS /

P109.pdf. , ST PETE'S COLLEGE OF ENGINEERING AND TECHNOLOGY , ICIICT2019

19.   Dr.S.Hemalatha , R.Jayasusmitha , R.PriyaShalini , .Jeyalakshmi "Proposed Hardware Assisting Device PaperforDeafand Dump   People To Manageday To Day Activity " St Pete's College Of Engineering And Technology , Iciict2019.
Academic year 2018-2019

20. Dr.S.Hemalatha M. DeepikaS.V.AshwiniS.Deepika "Biohazard Wastage Disposal by Using Wireless Humanoid Robot " International Journal of Advance Research in Engineering, Science& Technology(IJAREST), Volume 5,No. 3,55-60 eISSN: 2393- 9877 pISSN: 2394- 2444 DOI:10.26527/ ijarest.1503042 15438 Impact Factor (SJIF): 5.301 March 2018.

21. Dr.S.HemalathaG.DhamodharakannanM.NagagopalM.Vigneshwar "Assistive Tools for Machine Communication for Preventing Children and Disabled Persons from Electric Hazard Using Cyber Physical System" International Journal of Advance Research in Engineering, Science& Technology (IJAREST), Volume 5, No.3, 389-394 eISSN: 2393- 9877 pISSN: 2394- 2444 DOI:10.26527/ ijarest.1503141 93014 Impact Factor (SJIF): 5.301 March 2018.

22. Dr.S.HemalathaR.MeeraL.NandhiniB.VishnuPriya "Mobile Application Development Aimed at Assisting Automated Services to the Visually Impaired People" International Journal of Advance Research in Engineering, Science& Technology (IJAREST), Volume 5, eISSN: 2393- 9877 pISSN: 2394- 2444 DOI:10.26527/ ijarest.1503200 92208 Impact Factor (SJIF): 5.301 March 2018.

23. Dr.S.HemalathaR.MeeraL.NandhiniB.VishnuPriya "Implementation on Effective Ticket Booking for the Visually Impaired People Using IOT" International Journal of Advance Research in Engineering, Science& Technology(IJAREST), Volume 5,No.3,529-537 eISSN: 2393- 9877 pISSN: 2394- 2444 DOI:10.26527/ ijarest.1503200 92406 Impact Factor (SJIF): 5.301. March 2018.

24. Dr.S.HemalathaM.ManiyarasiM.RishikaG.KanagaPriya "A Implementation on the Intensive Care for Air Conditioner With Machine Learning Through IOT" International Journal of Advance Research in Engineering, Science& Technology(IJAREST), Volume 5, No. 3, 725-734 eISSN: 2393- 9877 pISSN: 2394- 2444 DOI:10.26527/ ijarest.1503251 71117 Impact Factor (SJIF): 5.301 March 2018.

25 .Dr.S.Hemalatha M. DeepikaS.V.AshwiniS.Deepika "Proposed Paper on Bio Hazard Wastage Disposal by Using Wireless Humanoid Robotic ARM" International Journal of Advance Research in Engineering, Science& Technology(IJAREST), Volume 5, No. 4,87-96 eISSN: 2393- 9877 pISSN: 2394- 2444 DOI:10.26527/ ijarest.1504071 54954 Impact Factor (SJIF): 5.301 April 2018.

26. Dr.S.Hemalatha M. DeepikaS.V.AshwiniS.Deepika "Implementation Paper for Bio Hazard Wastage Disposal by Using Wireless Humanoid Robotic ARM "International Journal of Advance Research in Engineering, Science& Technology(IJAREST), Volume 5, No.4,97-106 eISSN: 2393- 9877 pISSN: 2394- 2444 DOI:10.26527/ ijarest.1504081 20355 Impact Factor (SJIF): 5.301 April 2018.

27. Dr.S.HemalathaG.DhamodharaKannanM.NagagopalM.Vigneshwar "A Survey About Cyber Physical System Devices Communications for Preventing Children and Disabled Persons from Electric Hazard "International Journal of Advance Research in Engineering, Science& Technology(IJAREST), Volume 5, No.3, 395-401 eISSN: 2393- 9877 pISSN: 2394- 2444 DOI:10.26527/ IJAREST.1503 14194253 Impact Factor (SJIF): 5.301 March 2018.

28. Dr.S.HemalathaM.ManiyarasiM.RishikaG.KanagaPriya "Study On The Intensive Care For Air Conditioner With Machine Learning Through IOT "International Journal of Advance Research in Engineering, Science & Technology,(IJAREST), Volume 5, No. 3, 98-103 e-ISSN: 2393- 9877 p-ISSN: 2394- 2444 DOI:10.26527/ ijarest.1503061 91808 March 2018.

29. Dr.S.HemalathaM.ManiyarasiM.RishikaG.KanagaPriya " Study On The Intensive Care For Air Conditioner With Machine Learning Through IOT "International Journal of Advance Research in Engineering, Science & Technology,(IJAREST), Volume 5, No. 3, 375-385 e-ISSN: 2393- 9877 p-ISSN: 2394- 2444 DOI:10.26527/ ijarest.1503061 91808 March 2018.

30. Dr.T. KalaichelviDr.S.Hemalatha P. Aishwarya S. Aiswarya "Smart Mode of Tackling E-Commerce Security Cyber Crimes Through Biometric Face Identification Technique Applying Holistic Approach " International Journal of Computer Applications, Volume 173, No.1, 35-39 0975 – 8887 DOI:10.5120/ij ca2017915236.

31 .Dr.S.HemalathaR.MeeraL.NandhiniB.VishnuPriya "Mobile application development aimed at assisting automated services to the visually impaired people using IOT" International Journal of Advance Research in Engineering, Science & Technology, Volume 5, No 3,524-528 e-ISSN: 2393- 9877, pISSN: 2394- 2444 DOI:10.26527/ ijarest.1503200 92208 Impact Factor (SJIF): 5.301 March 2018.

32. Dr.S.HemalathaP.C.Senthil Mahesh "Identifying Black hole attack using Divide and Conquer Algorithm in Mobile Adhoc Network " Taga Journal, Volume 14, No.924-934 1748- 0345 (Online) Google Scholar 2018

33. Dr.S.HemalathaP.C.Senthil Mahesh "Energy Optimization in Directional Advanced Intruder Handling AODV Protocol in MANET" Taga Journal, Volume 14, No.935-960 1748- 0345 (Online) Google Scholar 2018.

34 .Dr.S.HemalathaP.C.Senthil Mahesh "Novel algorithm For Identifying A victim and Intruder node in MANET with Power Optimization" Taga Journal, Volume 14, No.999-1008 1748- 0345 (Online) Google Scholar 2018.

35. Dr.S.HemalathaP.C.Senthil Mahesh "MANET protocol for identifying Distributed Denial of Service Attacker "Taga Journal, Volume 14, No.968-981 1748- 0345 (Online) Google Scholar 2018.

36. Dr.S.HemalathaP.C.Senthil Mahesh " Energy Point DDoS link failure attacker in MANET reading and writing medical images "Taga Journal, Volume 14, No.968-981 982-998 (Online) Google Scholar 2018.

37. Dr.V.Subedha, Dr.S.Hemalatha, Mrs.S.Annie Sheryl, D.Deekshitha, D.Raasys " To detect Sybil And Troll Indentities Using ML " JASC ISSN NO 1076-5131
 Volume VI issue III march 2019

38. Dr.S.Hemalatha, B.ArulSelvi, K.Indhumathi " Handy Intelligent Device to alert and ordit Home Budhget for people to maintain Home Needy without Credit " IJRASET ISSN no 2321-9653 Icval 45.98 SJ Impact Factor 6.887 Volume 7 Issue III march 2019 page number 443-447.DOI:10.22214/IJRASET IC Value: 45.98; SJ Impact Factor: 6.887https://www.ijraset.com/fileserve.php?FID=20237

39 . Dr.S.Hemalatha,C.,Shruthi "survey about Mobile Secured Accessibility Control System using Android " IJRASET ISSN no 2321-9653 Icval 45.98 SJ Impact Factor 6.887 Volume 7 Issue III march 2019 page number 1935-1943. https://www.ijraset.com/fileserve.php?FID=20729

40. Dr.S.Hemalatha,Mrs.M.Vidhya , R.Ranjitha, T.Thendral and D.Vasumathi "A secure Access Policies Based Data Deduplication System " IJRASET ISSN no 2321-9653 Icval 45.98 SJ Impact Factor 6.887 Volume 7 Issue III march 2019 page number 463-465.https://www.ijraset.com/fileserve.php?FID=20327.

41. Dr.S.Hemalatha,DeebikaKumari T, Nidharsana M, Priyanka K, "Survey on Novel Herbal Planets for Medical Disease using Mobile AplicationDevelooment " IJRASET ISSN no 2321-9653 Icval 45.98 SJ Impact Factor 6.887 Volume 7 Issue III march 2019 page number 426- 432. https://www.ijraset.com/fileserve.php?FID=20140

42. Dr.S.Hemalatha,DeebikaKumari T, Nidharsana M, Priyanka K, " Novel Herbal Planets for Medical Disease using Mobile AplicationDevelooment " IJRASET ISSN no 2321-9653 Icval 45.98 SJ Impact Factor 6.887 Volume 7 Issue III march 2019 page number 448- 450.https://www.ijraset.com/fileserve.php?FID=20323

43 .Dr.S.Hemalatha,DeebikaKumari T, Nidharsana M, Priyanka K, " An Approach Implementing Mobile Application for Herbal Treatement " IJRASET ISSN no 2321-9653 Icval 45.98 SJ Impact Factor 6.887 Volume 7 Issue III march 2019 page number 466-476. https://www.ijraset.com/fileserve.php?FID=20329

44 .Dr.S.Hemalatha,Shruthi C , Sathya A, Shakila R, " An Approach Implementing about Mobile secure Accessibility Control System using Andriod " IJRASET ISSN no 2321-9653 Icval 45.98 SJ Impact Factor 6.887 Volume 7 Issue III march 2019 page number 1920- 1926.https://www.ijraset.com/fileserve.php?FID=20727

45. Dr.S.Hemalatha,Shruthi C , Sathya A, Shakila R, " Proposed paper about Mobile secure Accessibility Control System using Andriod " IJRASET ISSN no 2321-9653 Icval 45.98 SJ Impact Factor 6.887 Volume 7 Issue III march 2019 page number 1927-1933.https://www.ijraset.com/fileserve.php?FID=20728

46. Dr S Hemalatha ,M. Geetha ,Reshmi R ,Suvedha R "Heart Disease Risk Analysis Using Data Mining "International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 7 ,No III,1590-1594 , DOI:10.22214/IJRASETIC Value: 45.98; SJ Impact Factor: 6.887 , https://www.ijraset.com/fileserve.php?FID=20488.

47.Dr. P. C. Senthil Mahesh , Dr. S. Hemalatha "Trends in Machine Learning for Fully Automated Home Appliances "International Journal of Engineering Research(IJER)
Volume 8, Special Issue 1, 001-004 2319-6890 (online), 2347-5013(print) Google Scholar, Impact Factor : 1.632 https://www.ijer.in/publication/v8/001.pdf.

48. Dr. S. Hemalatha , B. Arulselvi , K. Indhumathi "Proposed about Handy Intelligent Device to Alert and Ordeit Home Budget for People to Maintain Home Needy without Credit International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 7, No V,23-28 2321-9653 DOI:10.22214/IJRASET IC Value: 45.98; SJ Impact Factor: 6.887 May 2019 https://www.ijraset.com/fileserve.php?FID=21323

49 Dr. S. Hemalatha , B. Arulselvi ,K. Indhumathi ,"Implementation about Handy Intelligent Device to Alert and Ordeit Home Budget for People to Maintain Home Needy without Credit International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 7, No V,16-22 2321-9653 DOI:10.22214/IJRASET
IC Value: 45.98; SJ Impact Factor: 6.887 May 2019 https ://www.ijraset.com / fileserve.php?FID=20964
.

50.S. Hemalatha, A. P. ShanthanaRoja, S. Suruthi, S. Srija "CPS Function for System Failure "International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-1, October 2019 . https://www.ijeat.org/wp-content/uploads/papers/v9i1/A1894109119.pdf .

51. S., Hemalatha and P. C., Senthil Mahesh, *Reliable and Cost Effective Siddha Medicine Treatment Using Modern Computer Android Application (August 6, 2019). Proceedings of International Conference on Recent Trends in Computing, Communication & Networking Technologies (ICRTCCNT) 2019. Available at SSRN: https://ssrn.com/abstract=3432800 or http://dx.doi.org/10.2139/ssrn.3432800.*

52.*Dr.S.Hemalatha & M.Gayathri"Image Processing for Facial Expression and recognition in recuritment" International Journal of Creative Research thought (IJCRT) ISSN 2320-2882vol(8) issue 3march 2020*
.

53. *Dr.S.Hemalatha, A.Abinesh , SooryaPradas T.R and Vignesh .M " Survey about Connecting Devices using IOE " International Journal of Computer Technique Vol(6) issue 2 , March 2020.*

54. *Dr.S.Hemalatha , A.Haritha, S.Kanimozhi and Kauvya Krishna Kumar " Survey abou preventing the creation of zombie nodes for DDos Attack in client server architecture using an intelligent algorith, " International Journal of Creative Research thoughts (IJCRT) ISSN 2320-2882vol(8) issue 3march 2020*

55. *Dr.S.Hemalatha , A.Haritha, S.Kanimozhi and Kauvya Krishna Kumar " An Intelligent Algorith, to prevent the creation of zombie nodes for DDos attack in client server Architecture " Special issues on computer Applications*
.

56. *Dr.S.Hemalatha , R.Jayasusmitha, R.JayalakshmiR.PriyaShalini" A survey about Deaf and Dumb Assisting Device " International Journal of Creative Research thoughts (IJCRT) ISSN 2320-2882vol(8) issue 3march 2020.*

57. *Dr. K. Muthmanickam, Dr. P. C. Senthil Mahesh, Dr. S. Hemalatha. (2020). A Proactive-based Malware Detection Approach for Android Smartphone. International Journal of Advanced Science and Technology, 29(3), 10007 - 10012. Retrieved from http://sersc.org/journals/index.php/IJAST/article/view/26979*
Vol. 29 No. 3 (2020)

58.*Dr. P. C. Senthil Mahesh , Dr. S. Hemalatha "Trends in Machine Learning for Fully Automated Home Appliances "International Journal of Engineering Research(IJER)*
Volume 8, Special Issue 1, 001-004 2319-6890 (online), 2347-5013(print) Google Scholar, Impact Factor : 1.632 https://www.ijer.in/publication/v8/001.pdf.

59. *Dr. S. Hemalatha , B. Arulselvi , K. Indhumathi "Proposed about Handy Intelligent Device to Alert and Ordeit Home Budget for People to Maintain Home Needy without Credit International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 7, No V,23-28 2321-9653 DOI:10.22214/IJRASET IC Value: 45.98; SJ Impact Factor: 6.887 May 2019 https://www.ijraset.com/fileserve.php?FID=21323*

60. *Dr. S. Hemalatha , B. Arulselvi ,K. Indhumathi ,"Implementation about Handy Intelligent Device to Alert and Ordeit Home Budget for People to Maintain Home Needy without Credit International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 7, No V,16-22 2321-9653 DOI:10.22214/IJRASET IC Value: 45.98; SJ Impact Factor: 6.887 May 2019 https ://www.ijraset.com / fileserve.php?FID=20964*
.

61. *S. Hemalatha, A. P. Shanthana Roja, S. Suruthi, S. Srija "CPS Function for System Failure "International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-1, October 2019 . https://www.ijeat.org/wp-content/uploads/papers/v9i1/A1894109119.pdf .*

62. *S., Hemalatha and P. C., Senthil Mahesh, Reliable and Cost Effective Siddha Medicine Treatment Using Modern Computer Android Application (August 6, 2019). Proceedings of International Conference on Recent Trends in Computing, Communication & Networking Technologies (ICRTCCNT) 2019. Available at SSRN: https://ssrn.com/abstract=3432800 or http://dx.doi.org/10.2139/ssrn.3432800.*

63 *Dr.S.Hemalatha Haritha.A , Kanimozhi.S Kauvya Krishna Kumar " Survey about preventing the creation of zombie nodes for ddos attack in client server architecture using an intelligent algorithm " International Journal of Creative Research Thoughts (IJCRT), Volume 8, No 2,604-616 2320-2882 Impact Factor: 7.97 Google ScholarFebruary 2020 http://www.ijcrt.org/papers/IJCRT2002066.pdf.*

64. *Dr.S.Hemalatha , Haritha.A Kanimozhi.S Kauvya Krishna Kumar " Survey about preventing the creation of zombie nodes for DDOS attack in client server architecture using an Intelligent algorithm " International Journal of Creative Research Thoughts (IJCRT) Volume 8, Issue 2 ,604-616 ISSN: 2320-2882 Index Copernicus DOI 10.6084/m9.doi.one.IJCRT2002256 Impact Factor :7.97 February 2020 http://www.ijcrt.org/papers/IJCRT2002066.pdf.*

65. *Dr. Hemalatha , M. Gayathri " Image processing for facial expression recognition in recruitment." International Journal of Creative Research Thoughts (IJCRT) Volume 8, Issue 3 ,799-806 ISSN: 2320-2882 DOI 10.6084/m9.doi.one.IJCRTA020021 Impact Factor : 7.97 Index Copernicus March 2020 , http://www.ijcrt.org/papers/IJCRT2003107.pdf.*

66. *Dr.S.Hemalatha , R.Jayasusmitha , R.Jeyalakshmi R.Priya Shalini " A survey about deaf and dumb Assisting device " International Journal of Creative Research Thoughts (IJCRT) Volume 8, Issue 3, 1861-1864 ISSN: 2320-2882 DOI 10.6084/m9.doi.one.IJCRTA020021 Impact Factor : 7.97 Index Copernicus March 2020 http://www.ijcrt.org/papers/IJCRT2003261.pdf.*

67.Dr.S.Hemalatha , Abinesh.A , Soorya Prasad.T. R , Vignesh.M Survey About Connecting Devices Using IOE " International Journal of Computer Techniques Volume 6, Issue 2,1-14 ISSN: 2395-1303 Google Scholar Impact Factor : 6.088 DOI:10.29126/23951303/IJET-V6I2P5 March 2020 , http://www.ijetjournal.org/volume6/issue2/IJET-V6I2P5.pdf.

Academic year 2016-2017

68.R.S.Hemalatha "Early Detection of Dementia by Observing Change in the Driving Pattern of a Person using Smart Phone Sensors and DTW Algorithm" International Journal for Research in Applied Science & Engineering 2016 IC Value: 13.98 .

69.Dr.S.Hemalatha "LI-FI Innovation With Coordinated Sun Powered Boards For Country Information Availability "International Journal of Computer Applications, 2016 DOI: 10.5120/ijca2016911636

70. Dr.S.Hemalatha, "Driving style acknowledgement based permit issuance utilizing cell phone sensors and DTW calculation "International Journal for Research in Applied Science & Engineering Technology (IJRASET) 2016 IC Value: 13.98.

71. Dr.T.KalaiChelvi ,Dr.S.Hemalatha ,V.Archana ,N.Kalaivani and V.Srividhya, "An Efficient RDH algorithm for Data Separation and Image Retrieval in Fused Image "International Journal of Linguistics and Computational Applications(IJLCA) Page No:13-16 ISSN:2394-6385(Print) ISSN:2394-6393(Online) Impact Factor:5.181 , March-2017.

72.Dr.S.Hemalatha ,AngagalaVaishnavi , K.Priyadarshini and K.SivaRanjani "Integration person Information using Merkle Tree-Based Map reduction "Paper ID:4202 IJARIIE-ISSN(O)-2395-4396 Vol-3 Issue-2 2017 Page No: 1485-1491 , ISSN(O)-2395-4396 , 2017.

73.Dr.V.Subedha , Dr.T.KalaiChelvi ,Dr.S.Hemalatha ,S.Namitha ,R.Preethi and M.Vinitha "Proposal on Detection of Lung Cancer on Reduced Images using Foggy K-Means Clustering Algorithm "International Journal of Scientific Research in Computer Science, Engineering and Information Technology. 2017,USRCSEIT Volume 2 Issue 2 Page No:296-301, ISSN:2456-3307 , March 2017.

74. Dr.S.Hemalatha ,M.Archana , S.Haripriya and E.ShinyFreeda "Aiding Application of Speech-Hearing Impaired for Effective Social Contact "International Journal of Linguistics and Computational Applications(IJLCA) Volume 4, Issue 1, Page No:73-78 ISSN:2394-6385(Print) ISSN:2394-6393(Online) January-March 2017 .

75. *Dr.T.KalaiChelvi ,Dr.S.Hemalatha , A.JerrinSimla, R.Sindhujaa ,L.Tharini and Vasagiripragna "A Survey on Trusted Corroboration System for Shoulder Surfing using Pass Matrix"International Journal of Linguistics and Computational Applications(IJLCA), Volume 4 Issue 1 Page No:17-20 , ISSN:2394-6385(Print) ISSN:2394-6393(Online) January-March-2017 .*

76.*Dr.T.KalaiChelvi , Dr.S.Hemalatha , M.Dhivya ,R.Monica ,A.Dhivya and S.L.Chetradevee "Life Threatening Arrhythmias Classification using Nuclear Quadrupole Resonance tectroscopy Signals " International Journal of Linguistics and Computational Applications(IJLCA)Volume 4,Issue 1,Page No:27-31 , ISSN:2394-6385(Print) ISSN:2394-6393(Online) January-March 2017 .*

77.*Dr.S.Hemalatha , C.Siddharth , N.Sharath Kumar and S.Harisubramanian "Integration of Multi Bank-User in Single Card with User Behavior Monitoring Using HMM & Formula Verification "IJASET Page No:379-382 Volume 5 Issue 1 , January-2017.*

78.*Dr.T.Kalaichelvi , Dr.S.Hemalatha , S.Hemamalini ,S.Jeyasree , PodamekalaSusritha and S.Swathika "Diabetic Retinopathy detection in fundus images " International Journal of Linguistics and Computational Applications(IJLCA)Volume 4,Issue 1Page No:21-26 , ISSN2394-6385(P) ISSN 3294-6393(Online) January-March 2017 .*

79,*P.AshwinBalaji ,K.Santhosh Kumar and J.Mithilaesh,. Dr.V.Subedha ,Dr.S.Hemalatha " Proactive accident avoidance system using IOT " International Journal for Scientific Research & Development Volume 5 Issue 1Page No:212-215 , ISSN(Online):2321-0613 , 2017.*

80. *Dr.S.Hemalatha , C.Siddharth , N.Sharath Kumar and S.Harisubramanian "Integration of Multi bank –User in single card with user behavior monitoring using HMM & Formula verification "International Journal for Research in Applied Science & Engineering Technology(IJRASET), Volume 5 Issue I, Page No:379-382 , ISSN:2321-9653, January 2017 .*

81.*Suchitra P. V,Dr.V. Subedha,L. Hemalatha,Dr.S. Hemalatha,Dr.T. Kalaichelvi " Highly Efficient Approaches for Biometric Security Systems "International Journal of Linguistics and Computational Applications (IJLCA) ISSN 2394-6385 (Print) Volume 4, Issue 1, January – March 2017.*

82.*B.B.Aarthi, M.Anitha, R.Gokulapriya, J.Deepa,Dr.S.Hemalatha " Implementation of Lock the Accused and Over Speed Monitoring with Emergency Support to the Victim using Lot "International Journal of Linguistics and Computational Applications (IJLCA) ISSN 2394-6385 (Print) Volume 4, Issue 1, January – March 2017.*

83.*R. Suwetha1, Dr. V. Subedha2, Dr. T. Kalaichelvi3, Dr. S. Hemalatha4 "Motion Capture using 3D "International Journal for Research in Applied Science*

&EngineeringTechnology (IJRASET) www.ijraset.com Volume 5 Issue IV, April 2017,IC Value: 45.98 ISSN: 2321-9653.

84. Naveen raj, Thurab Ahmed A , Dilly Ganesh , Gokula Krishnan, Dr.S.Hemalatha,andDr.V.Subedha "Disease Predictive Best Drug: Big Data Implementation of Drug Query with Disease Presdiction, Side Effects & Feedback Analyssi "International Journal of Scientific Research in Computer Science, Engineering and Information Technology Vol(2) Issue(2) 2017 ISSN. 2456-3307.

85.Dr.S.Hemalatha and Dr.P.C.SEnthilMahesh " Novel high secure encryption algorithm to prevent intruder in MANET formedical video transmission " . (Accepted Yet to Publish in Biomedical Research).

86.S. Hemalatha and Dr.PaulRogrigues, P.C.Senthil Mahesh "Indentifying Link Failure Attack in Distributed Denial of Service inside Mobile Ad-hoc Network" Australian Journal of Basic and Applied Sciences, 9(11) May 2015, Pages: 594-599.

87. S. Hemalatha and Dr.PaulRogrigues "Advanced AODV Protocol For Identify The Victim Node Using Divide And Conquer Strategy – In MANET , Research Journal Of Applied Sciences Engineering And Technology, Maxwell Publication 8(14) Oct 2014 (Anna University Annexure)

88. S. Hemalatha and Dr.PaulRogrigues "Implementation Of Intruder Detection Using Divide And Conquer Strategy In Mobile Ad-Hoc Environment" Asian Journal Of Information Technology. MedwellPublication . (Anna University Annexure)

89. S. Hemalatha and Dr.PaulRogrigues" Identifying Intruder In Mobile Ad-Hoc Network Using AIHAODV Protocol "Research Journal Of Applied Sciencesv10-2015 pp 256-263. (Anna University Annexure) http://medwelljournals.com/ abstract/?doi=rjasci.2015.256.263

90. S. Hemalatha and Dr.PaulRogrigues "Directional Advanced Intruder Handling Ad-Hoc On-Demand Vector Protocol Using Divide And Conquer Strategy – Implementation. "Research Journal Of Applied Sciences Engineering And Technology, Maxwell Publication 2015. (Anna University Annexure)

91.S. Hemalatha and Dr.PaulRogrigues" Information Security On Quick Response code ") International Journal of Computer Science and Information Technologies, Vol. 3 (2) , 2012,3318-3320.

92.S.Hemalatha, P.C.SenthilMahesh and Dr.Paul Rodrigues " Quick Response Code – A Survey" Journal of Computing Vol(4) Issu(2) Feb 2012 , ISSN 2151-9617.

93.S. HemalathaP.C.Senthil Mahesh and Dr.PaulRogrigues "DDoS Attacks Defense System Using Information Metrics " Lecture Notes in Electrical Engineering pp 25-30 Date: 11 September 2012(Journal available in Anna University Annexure) http://link.springer.com/chapter/10.1007%2F978-1-4614-3363-7_3.

94.S. Hemalatha, P.C. Senthil Mahesh, Paul Rodrigues and M. Raveendiran "Analysing Cross Layer Performance Based on Sinking and Collision Behaviour Attack in MANET" ..2012 http://ieeexplore.ieee.org/iel5/6422826/6450525/06450535.pdf.

95.S.Hemalatha, P.C.SenthilMahesh and Dr.Paul Rodrigues " Routing Protocol in Ad-hoc Network – A Survey " International Journal of Concurrent Applied Research in Engineering and Management " 2014, ISSN 2395-2474
96.S.Hemalatha&ArunaMaheshwari " Enhanced Power Optimization in AIHAODV Routing Protocol Using Directional Antennas " "Sri Lakshmi Ammaal engineering College. 2015 , Icarejournal.at icarejournal.com.

97.S.Hemalatha and Dr.PaulRodrigues " Routing Protocols in Adhoc Network" Sri Lakshmi Ammaal engineering College 2014, Icarejournal.at icarejournal.com.

98.S.Hemalatha&Dr.Paul Rodrigues " Survey on Intrusion Detection Technique in MANET " Sri Lakshmi Ammaal engineering College. 2015. Icare Journal.at icarejournal.com.

99.S.Hemalatha&Madhulika" IdentifyingMalecious Data from BIG DATA" "Sri Lakshmi Ammaal engineering College. 2015. Icare Journal.at icarejournal.com.

100. Dr.S.Hemalatha, Dr.P.C.SenthilMahesh "Thwart Distributed Denial of Service Attacks (DDoS) in MANET for Medical Image Transmission in Security issue hospital." Asian Journal of Information Technology 15(6) 1023-1031 , 2016 ISSN 1682-3915. Medwell Journals .

101.DR.S.Hemalatha, P.C.SenthilMahesh , Implementation of Intruder Detection Using Divide and Conquer Strategy in Mobile Ad-hoc Environment , Asian Journal of Information Technology 15(6) 1106-1115, 2016 ISSN 1682-3915. MedwellJournals .
1.

International conferences

1. S.Hemalatha& P. C.Senthil Mahesh " New Improved server performance and Intrusion prevention in DDOs attacks using hardware and software architecture" Karpagam College of engineering 2008.

2. S.Hemalatha& P. C.Senthil Mahesh " DDOsDttacks Defence System using Information Metrics" ITC2012 Bangalore India.

3. S. Hemalatha, P.C. Senthil Mahesh, Paul Rodrigues and M. Raveendiran "Analysing Cross Layer Performance Based on Sinking and Collision Behaviour Attack" in 2012 International Conference on Radar, Communication and Computing.

4. S.Hemalatha&Vibinth" MANET Survey " Sri Lakshmi Ammaal engineering college .

5. S.Hemalatha" QR code Security " Adhiparasakthi engineering collge " 2012.

6. S.Hemalatha" AODV routing protocol survey " Sri Lakshmi Ammaal engineering College 2014

7. S.Hemalatha " Security issues in AODV protocol "Sri Lakshmi Ammaal engineering College 2014.

8. S.Hemalatha&ArunaMaheshwari" Directional AODV Protocol survey "Sri Lakshmi Ammaal engineering College. 2015.

9. S.Hemalatha&ArunaMadheshwari" Directional antenna Survey "Sri Lakshmi Ammaal engineering College. 2015.

10. S.Hemalatha&Madhulika" Intrudion Detection in Clode computing" Sri Lakshmi Ammaal engineering College 2015.

11. S.Hemalatha&Madhulika" Cloude computing Security "Sri Lakshmi Ammaal engineering College. 2015.

12. S.Hemalatha "Implementation of Intruder Detection in Mobile Ad- hoc Network" International Conference On Current Trends In Computer Science And Engineering (ICCTSE-2014).

13. Dr.S.Hemalatha, Dr.P.C.Senthil Mahesh,2016 "Black hole attack detection Algorithm in Mobile Adhoc Network " International Association Of Engineering & Technology For Skill Development, Icaer-2016.

14. Dr.S.Hemalatha, Dr.P.C.Senthil Mahesh "Enhanced power Optimization in Advanced Intruder Handling Ad-hoc On Demand Vector Routing Protocol using

Directional antenna in Ad-hoc Network "International Association Of Engineering & Technology For Skill Development, *Icaer-2016(Received Best Paper Award).*

Academic Year 2017-18

15. M.SanthanaJoyce,Dr.S.Hemalatha,V.PraveenaChowdary,K.BhavyaSree Reddy, "Dynamic Allocation Of Transport Facilities to Overcome Traffic by Estimating Spatial Density Using Bluetooth "Proceedings on Third International Conference on Innovative & Emerging Trends in Engineering and Technology, Pg.No 78 , 2018 .

16. D. Lakshmi ,Dr.S.Hemalatha,R. Raji ,K. Ragavi. , "Secure And Effective Examination System Using QR Code "Proceedings on Third International Conference on Innovative & Emerging Trends in Engineering and Technology, Pg.No.100 (ICIETET'18).

17. Dr.S.Hemalatha,Haritha.A ,Kanimozhi.S , Kavya Krishna Kumar "Random Number Display In An ATM" Proceedings on Third International Conference on Innovative & Emerging Trends in Engineering and Technology, Pg.No 101 (ICIETET'18)

18. Dr.S.Hemalatha ,D.Lakshmi ,S.Deepika ,G.NandhiniShyamala "Future Trends In Machine Learning For Fully Automated Home Appliances" Proceedings on Third International Conference on Innovative & Emerging Trends in Engineering and Technology, Pg.No.102 (ICIETET'18).

19. Dr.S.Hemalatha, S.Priya ,R.Vaishnava Lakshmi , Dandu.Harshitha" Information Communication Technology For Medicine Remainder to the Patient – Health Care "Proceedings on Third International Conference on Innovative & Emerging Trends in Engineering and Technology, Pg.No.103 (ICIETET'18) .

20. T.AniBernish , Dr. S. Hemalatha ,B.Saranya , R.Savitha "A Survey on Different Types of Intrusion Detection in Mobile AdHoc Networks "Proceedings on Third International Conference on Innovative & Emerging Trends in Engineering and Technology, Pg.No.64 (ICIETET'18).

Academic Year 2018-19

21. Dr.S.HemalathaI.JenittoPriyanka R Thara K "Predicting the Crimes based on the weather using pyspark "International Conference on Recent Developments in Engineering Management Sciences and Technology (ICRDET'19), Dhaanish Ahmed College of Engineering, Padappai ,Near Tambaram, Proceedings on International Conference on Recent Developments in Engineering Management Sciences and Technology ICRDET'19 EISSN 2456-1983.

22. Dr.S.HemalathaA.Porselvi W.B. SherineR.Shree Lakshmi " Handy Intelligent Device To Alert And Ordeit Home Budget For People To Maintain Home Needy Without Credit "Fourth International Conference on Innovative & Emerging Trends in Engineering and Technology - ICIETET' 19, Proceedings of Fourth International Conference on Innovative & Emerging Trends in Engineering and Technology - ICIETET' 19, Pg.No.487-492.

23. Dr.S.HemalathaG.Sainath Reddy VakatiMounish Kumar Reddy KattaCharanSaiHardhik Reddy "A Survey about Chatting in Social Networking " Fourth International Conference on Innovative & Emerging Trends in Engineering and Technology - ICIETET' 19, Proceedings of Fourth International Conference on Innovative & Emerging Trends in Engineering and Technology - ICIETET' 19, Pg.No.554-558.

24. Dr.S.HemalathaD.Thulasi Ram G.ThanigaivelRm.Vaidhyanathan "Waste management system based on IOT "Proceedings of Fourth International Conference on Innovative & Emerging Trends in Engineering and Technology - ICIETET' 19, Pg.No.832-834.

Academic Year 2019 – 20

25. Dr. S. Hemalatha , Dr. P. C. Senthil Mahesh "Reliable and Cost Effective Siddha Medicine Treatment Using Modern Computer Android Application "International Conference on Recent Trends in Computing, Communication and Networking Technologies (ICRTCCNT'19) Kings Engineering College, Chennai, TamilNadu, India. https://ssrn.com/abstract=3432800 Certificate

26 .Dr. S. Hemalatha , Haritha.A , Kanimozhi.S , "An Intelligent Algorithm to prevent the creation of Zombie nodes for DDOS attack in a client- server architecture "International Conference on Mathematical Computer Engineering(ICMCE-2020) Vellore Institute of Technology(VIT),Chennai.

27.Dr. S. Hemalatha Dr. P. C. Senthil Mahesh "Reliable Automatic Teller Machine Even The Low PerformanceServer " Innovative Research in Engineering, Applied Science & Management(IC-IREASM-2019 Proceedings on Innovative Research in Engineering, Applied Science & Management(IC-IREASM-2019) ISBN –978-93-89522-02-0 Pg.No.81-84 Certificate.

28. Haritha.A , Kanimozhi.S , KauvyaKrishnaKumar , Dr.S.Hemalatha "An Intelligent Algorithm To Prevent The Creation Of Zombie Nodes For DDOS Attack In Client Server Architecture   Special issues on Computer Applications ISSN: 2393 – 9141 35-39 http :// www.internationaljournalssrg.org/uploads/specialissuepdf/SCA-2020/2020/ OTHERS / P109.pdf. , ST PETE'S COLLEGE OF ENGINEERING AND TECHNOLOGY , ICIICT2019

29.   Dr.S.Hemalatha , R.Jayasusmitha , R.PriyaShalini , .Jeyalakshmi "Proposed Hardware Assisting Device PaperforDeafand Dump   People To Manageday To Day Activity " St Pete's College Of Engineering And Technology , Iciict2019.

National Conferences

1. S.Hemalatha&P.C.Senthil Mahesh " Smart card User Authentication Scheme" Cyber crime and security management , kongu engineering College, 2007.

2. S.Hemalatha&P.C.Senthil Mahesh " Adhoc network data Communication Protocol " Soft Computing and its applications at Anil Neerukonda Institute of Technology and Sciences 2007.

3. S.Hemalatha& P. C.Senthil Mahesh "Innovations and Information Technology " Karpagam College of Engineering 2008.

4. S.Hemalatha& P. C. Senthil Mahesh " New Improved Intrusion Detection system Framework for cloud computing networks through Back End Processor " Sri Sai Ram Institute of Technology 2011.

5. S.Hemalatha& P. C. Senthil Mahesh " Authentication Mobile call forwarding in Groups" S.A.Engineering College Chennai.

6. S.Hemalatha&Bharath" Cloud Computing secutrity " Tagore Engineering College.

7. S.Hemalatha&Mageshwari" QR code online examination " Sri Sairam engineering College.

8. S.Hemalatha& P. C.Senthil Mahesh" Resource Optimization in Uninterrupted power supply " National Institute of Technology" Tiruchy.

9. J. Mithilaesh, Dr, V. Subedha,Dr.T. Kalaichelvi and Dr. S. Hemalatha "Driving style acknowledgment based permit issuance utilizing cell phone sensors and DTW calculation " Vel Tech , Chennai .

10.Dr.T.Kalaichelvi,Dr.S.Hemalatha,A.M. Lakshmi priya,AnushaGandhi,Divya "Escort System for Visually Impaired People" in National Conference on Emerging Challenges in Engineering and Technology 2017- NCECET 17 on 31st march conducted in JeppiarMamallanEngineereing College .pp.-278-282.

11. Dr.S.Hemalatha and Dr.P.C.SenthilMahesh " Trends in Machine Learning For Fully Automatted Home Appliances" National Conference on emerging Trends in Information, Digital & Embedded Systems " NC'e-TIDES -19 on 13 & 14 March 2019.

Computer Society of India

1. State Student Coordinator – Academic year 2019-2020
2. Regional Student Coordinator - Academic year 2020-2021

CSI Article Published

- CSI article published in "Cyber Forensics" as CSI Adhyayan at April – June 2016

- CSI article published in "Green Technology" as CSI Adhyayan at April – June 2016

- CSI article published in "Underwater Sensor Network(UWSN)"as CSI Adhyayan at April – June 2016

- CSI article published in "Surface Computing" as CSI Adhyayan at July-Sep 2016

- CSI article published in "Blue Eye technology" as CSI Adhyayan at July-Sep 2016

- CSI article published in "Manet - Mobile ad hoc network" as CSI Adhyayan at 2016.

- CSI article published in "Entertainment Robot "as CSI Adhyayanat July-Sep 2016.

- CSI article published in "How The Internet Is Destroying Our Brain "as CSI Adhyayanat 2016.

- CSI article published in "Nanotechnology : The Future Medicine" as CSI Adhyayan at 2016.

- CSI article published in " The Rise Of The Dark Net "as CSI Adhyanyan at 2016.

CSI Communication Publication

1. Dr.S.Hemalatha and Dr.Pr.C.SenthilMahesh Pseudo Code Attacks in Software Engineering , CSI Communication PP 18 -21 March 2017 .
2. Dr.S.Hemalatha , M.Archana , S.Haripriya , E.ShinyFreeda "Study on the Aiding Tools of for Effective Social Contact " Nov 2018

3. Dr.S.Hemalatha , M.Archana , S.Haripriya , E.ShinyFreeda " Implementing Guster Vocalizer that enables full duplex coummincation between Deaf and dump with normal people 2018

Innovative Project Guidance

1. Surveying people density for Transport Regularities using Blue tooth.

2. FluidMeasuring Kit to ensure the capacity of tank using Water level Sensors.

Workshop /Seminar Attended

S.No	Title of Workshop/ FDP	Institution	Date
1	"Soft Computing with AI"	Sri Sai Ram Institute of Technology	15.09.2011 to 28.09.2011
2	" Effective Teaching and Research Methodology for College Teachers"	Sri Ramakrishna Engineering College	23.09.2006
3	" Cloud and Grid Computing"	Tagore Engineering College	20.01.2011
4	"Software Reliability and Testing "	SSN College of Engineering	31.08.2009
5	"Advanced Developer Technologies"	SRM University	27.04.2009
6	"FPGA Based System Design Using ALTERA EDA Tools"	Kongu Engineering College	21.11.2008
7	"Mobile Computing "	M.N.M. Jain Engineering College	01.10.2005
8.	"Training the Trainer Programme"	ELCOT	09.12.2006
9.	" Software Testing "	Adhiparasakthi Engineering College	7.09.2007 &8.09.2007
10	"Workshop On NS2"	RMD Engineering College	17.11.2007
11	" Women Empowerment and Technical Education"	NITTTR Chennai	6.03.2009
12	"Personal Effectiveness"	CSI Chennai	15.07.2011
13	" Wireless Technology "	Jeruselam College of Engineering	3.11.2008
14	"Fundamentals of Network Simulator "	Tagore Engineering College	29.12.2010

15	" FOSS and its Applications"	KonguEnginering College	21.09.2006 to 22.09.2006
16	Patent Drafting and Fling Aspects	Prathhyusha Engineering College	24 feb 2018
17	Object Oriented Programming using JAVA	S.A. Engineering College	7 -9 june 2018

FDP Attended /Invited

S.No	Programme	Duration	Organized By	Attended / Invited
1	Multicore Architectures and Programming	26-05-2016 To 29-05-2016	EGS Pillai Engineering College	Attended
2	Cryptography and Network Security	May 2016	Panimalar Institute of Technology	Invited
2	Faculty Development Program –Grid and Cloud	One Day	Panimalar Institute of Technology	Invited
3	Cyber Forensics	Two Days	Panimalar Institute of Technology	Attended
4	3D Printing	One Day	CSI tharamani	Attended
5	Cyber forensics	One Day	YMCA	Attended
6	Python Programming Lab and Machine Learning Concepts	Two days (9 & 10 aug 2018)	PIT	Attended
7	Introduction to PHP Programming	12 &13 Jun 2018	Loyola Institute of Technology	Attended
8	Introduction to Python Programming	2& 3 Nov 2018	Hindustan Institute of Technology	Attended

Event Conducted

Academic Year 17-18

S.No.	Event Name	Title of the Program	Staff Coordinator

1	Workshop	Web Malware Detection and Prevention	Dr.S.Hemalatha
2	Workshop	Applying Machine Learning to Automated Home Appliances using IOT	Dr.S.Hemalatha
3	Guest Lecture	GUEST LECTURER ON NETWORKING IN OPEN SOURCE TECHNOLOGY	Dr.S.Hemalatha
4		Web Designing	Dr.S.Hemalatha
1	Workshop	Image Processing for Medical Diagnosis using MATLAB	Dr.S.Hemalatha
5	Workshop	Workshop on Web Designing	Dr.S.Hemalatha
6	International Conference	Third International Conference on Innovative and Emerging Trends in Engineering and Technology - ICIETET'18	Dr.S.Hemalatha

Academic year 18-19

S.No.	Event Name	Title of the program	Staff Coordinator
1	Short Term Course	Redhat Administration	Dr.S.Hemalatha
2	Paper Presentation	Paper Presentation Contest 2k19	Dr.S.Hemalatha,

26	Symposium	Prayudh'19	Dr.S.Hemalatha,
31	Project Contest	Project Contest	Dr.S.Hemalatha,

Academic year 19-20

S.No.	Event Name	Title of the program	Staff Coordinator
1	Workshop	Virtual Reality	Dr.S.Hemalatha, ,
2	Workshop	Marketing in Socila Media	Dr. S. Hemalatha
3	Short Term Course	Basics of Web Development	Dr. S. Hemalathai
4	Webinar	Career Opportunities in Indian Patent Agent Examination	Dr.S.Hemalatha
5	Webinar	Road map to become a Better Developer	Dr. S. Hemalatha
6	Webinar	Technical Talk about Latest Trends in Technology for Career Development	Dr. S. Hemalatha
7	Webinar	Patent Drafting and Applying	Dr. S. Hemalatha
8	Webinar	SAAS Startup 101	Dr. S. Hemalatha
9	FDP	MG 8591- Principles Of Management	Dr. S. Hemalatha

NPTEL Program

1. Introduction to Programming in C , 2018
2. Block chain Architecture Design and Use Cases , 2018
3. Introduction to research 2019
4. Demystifying Networking 2019

Coursera Completed Program

1. **Introduction to the Internet of Things and Embedded Systems**

2. **Transaction on the block chain**

3. **Building a Data Science Team**

4. **A Crash Corse in Data Science**

5. **Data Science in Real Life**

6. **Managing Data Analysis**

7. **Executive Data Science Capstone**

8. **Introduction to Big Data**

9. **Blochchain 360 : A state of the Art for Professionals**

10. **AWS Fundamentals : Going Cloud Native**

11. **Blockchain Platforms**

12. **AWS Fundamentals : Building Serverless Applications**

13. **Introduction to Blockchain Technologies**

14. **Introduction to cybersecurity Tools and Cyber attacks**

15. **AI for Everyone**

16. **DDoS Attacks Defenses**

17. **Network and Communications Security**

18. **Aruba Network Security Basic**

19. **Cloud and Wireless Security**

20. **Peer to Peer Protocol and Local Area Network**

21. **How to write and publish a scientific paper**

22. **Aruba Mobility basics**

23. **Data Science Ethics**

Book Publication

1.**"Fundamentals of Computing " in Charulatha Publication in the year 2013.**

Book Chapter Publication

1. Dr. S. Hemalatha, Dr. P. C. Senthil Mahesh "**RELIABLE AUTOMATIC TELLER MACHINE EVEN THE LOW PERFORMANCE SERVER** " Publisher and Editor in Chief, Resrach Foundation of India (Registered under the government of india book publications act) India ISBN – 978-93-89522-02-0 Copyrights 2019 .

2. Dr. S. Hemalatha, Vijetha Bhat and Dr.S.Chitra " **CYBER SECURITY CHALLENGES AND ITS EMERGNING TRENDS ON LATEST TECHNOLOGIES** " Recent Trends in Applied Sciences and Computing Engineering (RTASC) ISBN: 978-81-950236-3-9

3. Dr. S. Hemalatha, Ms. Simi Paxleal. J., Zareena Noorbasha " **INTERNET OF THINGS TO USE ARTIFICIAL INTELLIGENCE (AI) AND MACHINE LEARNING (ML)** " Recent Trends in Applied Sciences and Computing Engineering (RTASC) ISBN: 978-81-950236-3-9

4. Dr. S.Hemalatha, "**APPLICATION OF DATA MINING IN EGOVERNANCE** " **E- Governance –** A comprehensive framework with case studies ISBN: 978-81-950236-7-7

Journal Reviewer

1. **Public Science Framework**

2. **International journal of Computer Security**

3. **The American Association for Science and Technology**

4. **Research Square**

5. **Journal of Theoretical and Applied Computer Science -**
   www: http://www.jtacs.org

6. **Organizing committee of the 16th International Conference on Applied Computer Science to review and evaluate scientific papers in World Scientific and Engineering Academy and Society.http://www.wseas.org/**

7. **Chinna Communication**

8. **ICTACT Journal**

9. **Cluster Computing (Springer Journal)**

10. **American Journal of Information Science and Computer Engineering**

11. **BioMedical Research**

12. **IJARSETjournal**

Resource Person Contribution

1. **Session speaker in National Seminar on "The Dynamics of Data Analysis & Research Publications" Alpha Arts and Science College " .**
2. **Delivered Guest Lecture in Engineering colleges in the topic of Object oriented Analysis and Design, Software Engineering etc.**
3. **Session Judge in Vel Tech University International Conference paper presentation event.**
4. **Act as a Resource Person for IPsecurity Authentication Header in the Faculty Development Training program on CS6701 – Cryptography and Network security held between May 23 to May 30, 2016 at Panimalar Institute of Technology, Chennai.**

5. **Delivered Guest lecture in the topic " Image Classification " for IEEE maker Event Seed Fund 20 & 21 Dec 2016**

6. **Act as a Resource person as a Juries in Jeppiaar Engineering College**

7. **Acted as a Conference Chair in SaiRam Institute of Technology .**

8. **Reseource Person Contribution at Panimalar Institute of Technology For FDP " Multicore Architectures and Programming in session " Open Execution Model – Memory Model 15-11-2017.**

9. **Delivered Lecture in Anna University Aprroved FDP " Grid and Colud Computing " at Panimalr Institute of Technology .**

10 Act as a Technical Program Committee in SSN College of Engineering 2018

11 Act as a reviewer to review ICCIDS2019 manuscripts CSE DEPT at SSN College of Engineering 2018.

12 Resource Person for the ICMR WORKSHOP 19 & 20 July 2018 .

13 .Act as a Review Paper in ICIICT 2019 at St.Pete'S College of Engineering and Technology

14 . Editorial member in International Journal of Advance Research in Engineering, Science & Technology (IJAREST).

15.Resource person contribution in Mount Zion Engineering college "Blockchain and its uses "

16. STTP program at Panimalar Institute of Technology " Green Computing "

17.STTP program at Panimalar Institue of Technology " Green IOT Chanllenges and application in Blockchain"

18. Guest Lecture in Block chain and its uses at Mount Zion Engineering college

19. Guest Lecture in "Applications of Block Chain Technology in Current Trends" at Prince Bhavani Engineering College.

Fund Granted

| 1. | IEEE Maker Event Fund | Dr.S.Hemalatha &Dr.T.Kalaichelvi | $500USD | 2016 |
| 2 | Tamil Nadu State Council science and Technology | Dr.S.Hemalatha & Dr.Kalaichelvi | Rs20000/- | 2017 |

Consultancy Projects

1. **Principal Investigator**in Developing software "Secure Pay Roll system using Biometrics" for **Chakra Industries** located at Anna Nagar, Chennai.

2. **CO- Principal Investigator** in Developing a product "Secure Human tracking system using Bio Chargeable unit "Aesthetic Dental clinic in Arumbakkam, Chennai.

Category	Title	Agency	Period	Amount in Rupees
Completed	SECURE PAYROLL SYSTEM USING BIO-METRICS FOR CHAKRA INDUTRIES	Chakara Industries	6 Month	RS 50000/-

Patent Applied

Details of patent granted

1. **SMART FRAMEWORK FOR PROVIDING PRIVACY AND PROTECTION IN BLOCK CHAIN BASED PRIVATE TRANSACTIONS USING CLOUD COMPUTING APPROACH**
Patent number: 2021104564
Hemalatha, S.; Mohanty, Dipak Kumar; Siddique, Mohammed; Singh, Saubhagyalaxmi; Mahapatra, Sheila; Raj,
Saurav; Vedik, B.; Shiva, Chandan Kumar; Yadav, Sachin; Yadav, Ranjeeta; Tewari, Ranjana; Singh, Rana and
Yadav, Deepika

2. **SMART ORGANIC LED FARMING SYSTEM BASED ON ARTIFICIAL INTELLIGENCE & MACHINE LEARNING MODEL**
Name of inventor(s):
Hemalatha, S.; Raj, Vivek; Raga, Sarika; Devadutta, Kumar; Rout, Sandeep; Vikram, Shweta; Kumar, Binod;
Bhanu, B. Balaji; G., Pavithra; Manjunath, T. C.; Goel, Sachin; Mungara , Jitendranath and S., Muthukumar

Patent number: 2021103628

3. **SMART HEALTHCARE SYSTEM FOR MONITORING AND CONTROL OF THE INDOOR ENVIRONMENT USING IOT TECHNOLOGY AND ARTIFICIAL INTELLIGENCE**

Name of the Inventors

S. Hemalatha , Bhagirathi Nayak, Ramakrishna Joshi, Smriti Sachan, Aparna Srivastav K, Malineni Perumallu ,Tejaswini Kar ,Jenar Kumar Sinha ,Ankur Saxena ,Sankalchand Patel Priyanka Saksena ,Shweta Pandey, Nimisha Paul ,Sangeeta Mishra.

Patent Number : 2021104034

Details of Patent applied

S. No	Patent No.	Title	Name of Investigator	Status
1	201841006236	THWART SHOULDER SNIFFING ATTACKERS IN AUTOMATIC TELLER MACHINE BY IMPLEMENTING RANDOM NUMBER DISPLAYING NUMBER	DR.S.HEMALATHA HARITHA KANIMOZHI KAUYA KRISHNA KUMAR	FER Replied and Waiting for Examination
2	201941011708	HANDY INTELLIGENT DEVICE TO ALERT AND ORDIT HOME BUDGET FOR PEOPLE TO MAINTAIN HOME NEEDY WITHOUT CREDIT	DR.S.HEMALATHA ARULSELVI B INDHUMATHI K	FER Replied and Waiting for Examination
3	201941011699	NOVEL HERBAL TREATMENT FOR NATURAL DISEASES USING MOBILE APPLICATION DEVLOPMENT	DR.S.HEMALATHA DEEBIKA KUMARI T NIDHARSANA M PRIYANKA K	FER Replied and Waiting for Examination

Design Patent

S.No	Patent No.	Title	Name of Investigator	Status
1	370426-001	**IOT Enabled Device**	1. Dr. S.HEMALATHA 2. DR. E. J. THOMSON FREDRIK 3. SUGANYA. J 4. VEERESH K M	Application Under Process(wating for Technical Examination) https://search.ipindia.gov.in/DesignApplicationStatus/

Funds Applied

1. Project titled "Development of an Intelligent Temperature/Pressure/Heart Beat Sensors and Salivary Biomarkers Incorporated Invisible, Dormant, Bio- chargeable Microchip Device with GPS Exigency Alert Tracker ". Applied as the Principal investigator for the **SERB** proposal under collaborated with SRM university for the amount   on 1\1\2017 for the budget of Rs.39,45,140 ,File Number: EMR/2017/000401

Indian Council Of Medical Research Applied

1.Workshop on "**Lepra no More** "
2.Workhop on creating Consciousness and cleanliness Management on
   "**Menstrual Healthiness for Rural and Tribal Pre-Adult Girls**"
3.Workshop on "Disease on Mobile usage for people"
4.Work shop on Awareness on "Identity Fraud and Identity Theft-Cyber
            Crime"

Product Development

1. Attentive Escort for Visually Impaired People – Image Processing during August 2016

2. Tracking and Providing Smart Heart Care System and Alert Source

3. Mobile Application Development for Communication Between Deaf and Dumb with Normal People

4. Drunk and Drive Accident Avoidance Using IOT

5. Handy Intelligent Device To Alert And Ordit Home Budget For People To Maintain Home Needy Without Credit

6. Optimising Storage Capacity In Mobile System While Using Social Networking Incorporating Linked List And Cloud Computing

7. Mobile Secure Accessibility Control System Using Android

8. Novel Herbal Treatment For Natural Diseases Using Mobile Application Devlopment

Awards Received

1. **Received Best Teacher Award in Sri Lakshmi Ammaal College of Engineering**
2. **Best Paper Award in International Confernece***Icaer-2016*
3. **Distinguished Professor Award from Computer Society of India, 2017 .**
4. **IEEE Professor Award**
5. **CSI Dedicated Professor award Mumbai chapter**
6. **Faculty with maximum publishing in CSI Publications Award 2016-17**
7. **Paper Presenter Award at International Conference 2016-17**
8. **Distinguished Professor Award- 2016-17**
9. **Best Faculty - Specific Innovations - manifest in prototypes, patents etc., - 2017-18**
10. **VIWA Award " Outstanding Women in Engineering -2018**
11. **INAE award 2018**
12. **Selected for "InSc Young Achiever Award 2019".**
13. **Selected for "InSc Best Teacher Award 2019"**
14. **Selected as" Bharath Excellence Award 2019 from Friends Forum**
15. **Selected as " Best Faculty award 2019 from friends forum**
16. **Selected as " best project award 2019 from INSC**
17. **Certificate of Excellence in Education from Global forum 2020**

Coordinating the Event

1. **Web Designing 22 and 23 of March 2018**
2. **Image Processing for Medical Diagnosis using MATLAB 16 march 2018**
3. **Technical Quiz program 21 march 2018**
4. **Project Exhibition April 2018**
5. **Paper Presentation March 2019**
6. **MHRD Project Exhibition March 2019**

Overall Incharge to the Collge and Department

- **NBA Coordinator**
- **NIRF Coordinator**

- **ARIIA Coordinator**
- **Conference Coordinator**
- **Symposium Coordinator**
- **IIC Coordinator**
- **NAAC Criteria Coordinator**

Professional Member

1. **ISTE LIFE MEMBER LM 120616**
2. **CSI life time Membership**

   Role played in CSI
   - **State Student Coordinator**
   - **Regional Student Coordinator**
3. **INAE membership**

Doctoral Committee Member

1. **Doctoral Committee member for the Candidate Mr.Muthuvel Raj , Registered in Anna University , 2017**

Internal Examiner for Doctorail Viva Voice

1. **Hindustan University**
2. **Bharath University**

SIGNATURE OF THE FACULTY

Dr.S.HEMALATHA