**Department of Computer Science and Engineering**

**Research activity report - (July 2016- June 2017)**

26/07/2017

**1. Research activities of the faculty members:**

Number of faculty in the Department : 40

Number of faculty with Ph D qualification : 9

Number of faculty pursuing Ph D : **10 (SVCE, AU) + 6 (External)**

Number of supervisors: **6**

Number of research scholars(FT/PT) in the department research centre: **21**

 **Research centre status of the department:**

 **Recognized as a research centre on 28 January 2010. Recognition renewed up to Dec 2018.**

**Supervisors:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. NO** | **Name of the Mentor** | **Mentor ID** | **Faculty** |
| 1 | Dr. R. Anitha | 2640022 | Faculty of Information and Communication Engineering, Anna University |
| 2 | Dr. Nedunchelian R | 2940021 | Faculty of Information and Communication Engineering, Anna University |
| 3 | Dr. Gnanasekar J M | 2740133 | Faculty of Information and Communication Engineering, Anna University |
| 4 | Dr. C. Jayakumar | 8740113 | Faculty of Information and Communication Engineering, Anna University |
| 5 | Dr. Manikandan S P | 2940033 | Faculty of Information and Communication Engineering, Anna University |
| 6 |  Dr. T. K. Thivakaran | 2740151 | Faculty of Information and Communication Engineering, Anna University |

**Faculty Completed PhD (June 2016- May 2017) this year: 02**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SL.NO** | **NAME OF THE SCHOLAR**  | **DESIGNATION, DEPT,COLLEGE** | **Supervisor** | **FT/PT** | **Research Centre** | **YEAR OF Completion** |
| 1 | Dr. R. Jayabhaduri | **Associate Prof, CSE, SVCE** | Dr.C.Aravindan | **PT** | Department of CS, SSN (Anna University) | Sep 2016 |
| 2 | Dr. N.M. Balamurugan | **Assisant Prof, CSE, SVCE** | Dr.K.Murugan | **PT** | Anna University | April 2017 |

**PhD holder from CSE Research Centre:**

Viva voce of **Karmel** (JULY 2011/2011174052), Dr. C. Jayakumar (Supervisor) was held on 14/07/2016 at Bio Tech Conference Hall, SVCE.

**Research scholars in the CSE department research centre:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SL.NO** | **NAME OF THE SCHOLAR**  | **DESIGNATION, DEPT,COLLEGE** | **Supervisor** | **FT/PT** | **YEAR OF JOINING** |
|  | M.Mohammed Thaha | NA | Dr. C. Jayakumar | **FT** |  JAN 2011/2011114128 |
|  | T.P.Rani | NA | Dr. C. Jayakumar | PT | JAN 2011/2011114083 |
|  | Arthi.A | NA | Dr. C. Jayakumar | PT | JAN 2011/2011114125 |
|  | Jeyaselvi | NA | Dr. C. Jayakumar | PT | JULY 2011/2011174044 |
|  | V. Sathiyavathy | NA | Dr. C. Jayakumar | PT | 1024799724/phd/AR3 |
|  | N. Mythili | NA | Dr. C. Jayakumar | PT | 1024499752/PhD/AR9 |
|  | M. Vijayanand | NA | Dr. C. Jayakumar | PT | 1013499770/phd/AR9 |
|  | Mohana | NA | Dr. C. Jayakumar | PT | 1122499117/Phd/AR9 |
|  | Siva Sankari S | NA | Dr. C. Jayakumar | PT | 17244991424/PhD/AR9Jan 2017 |
|  | Muralikrishnan R | NA | Dr. Gnanasekar J M | PT | 17194991157/PhD/AR9Jan 2017 |
|  | Mohamed Sirajudeen Y | NA | Dr.R.Anitha | **FT** | 1614499338/2016-JAN |
|  | Muralidharan C | NA | Dr.R.Anitha | **FT** | 1613499339/2016-JAN |
|  | Vinothiyalakshmi P | AP,CSE,SVCE | Dr.R.Anitha | PT | 1624499230/2016-JAN |
|  | Padmavathy T | AP,CSE,SVCE | Dr.R.Anitha | PT | 1624499254/2016-JAN |
|  | S. Senthamizh Selvi | AP,CSE,SVCE | Dr.R.Anitha | PT | 16234997404/2016-JUN |
|  | S. U. Muthunagai | AP,CSE,SVCE | Dr.R.Anitha | PT | 16244997405/2016-JUN |
|  | N. UMA | AP, IT,SVCE | Dr.R.Anitha | PT | 17244991463/JAN-2017 |
|  | Tamilvanan S | NA | Dr. Gnanasekar J M | PT | 17134997654/July-2017 |
|  | Annamalai.R | NA | Dr. Nedunchelian R | PT | 17144997681/July-2017 |
|  | Muthuvel. S | NA | Dr. Nedunchelian R | PT | 17144997682/July-2017 |
|  | Gangadevi G | NA | Dr. C. Jayakumar | PT | 17234997618/July-2017 |

**Faculty pursuing Ph D**

**LIST OF FACULTY PURSUING PHD IN RESEARCH CENTRES AT SVCE:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| SL.NO | NAME OF THE SCHOLAR  | DESIGNATION, DEPT | Supervisor | FT/PT | Research Centre | YEAR OF JOINING |
| 1 | Ms.N.Revathi  | **AP,CSE** | Dr.G.Sumathi | **PT** | **IT** | Jan-13 |
| 2 | Ms.V.Rajalakshmi | **AP,CSE** | Dr.S.Ganesh Vaidhyanathan | **PT** | **ECE** | Jan-15 |
| 3 | Mr.K.Srnivasan | **AP,CSE** | Dr.G.Sumathi | **PT** | **IT** | Jul-14 |
| 4 | Ms.S.Rajalakshmi | **AP,CSE** | Dr.K.R.Shantha | **PT** | **EEE** | Jul-14 |
| 5 | Mr.R.Bhuvaneswari | **AP,CSE** | Dr.S.Ganesh Vaidhyanathan | **PT** | **ECE** | Jul-15 |
| 6 | Mr.M.Suresh kumar | **AP,CSE** | Dr.G.A.Sathish Kumar | **PT** | **ECE** | Jul-15 |
| 7 | Vinothiyalakshmi P | **AP,CSE** | Dr.S.Anitha | **PT** | **CS** | Jan-16 |
| 8 | Padmavathy T | **AP,CSE** | Dr.S.Anitha | **PT** | **CS** | Jan-16 |
| 9 | S. Senthamizh Selvi | **AP,CSE** | Dr.R.Anitha | **PT** |  **CS** |  Jun-16 |
| 10 | S. U. Muthunagai | **AP,CSE** | Dr.R.Anitha | **PT** |  **CS** |  Jun-16 |

**LIST OF FACULTY PURSUING PHD IN OTHER RESEARCH CENTRES(outside)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SL.NO** | **NAME OF THE SCHOLAR**  | **DESIGNATION, DEPT,****COLLEGE** | **Supervisor** | **FT/PT** | **Research Centre** | **YEAR OF JOINING** |
|  | Ms.K.S.Gayathri | **Associate Prof, CSE, SVCE** | Dr.K.S.Easwarakumar | **PT** | Department of CS (Anna University)  | Jan-12 |
|  | Ms.N.Rajeswari  | **AP,CSE,SVCE** | Dr.S.Chandrakala |  **PT** | Department of CS, Rajalakshmi Engineering College (Anna University) | Jul-12 |
|  | Ms.G.Janakasudha | **AP,CSE,SVCE** | Dr.P.Jayashree | **PT** | Department of CS, MIT | Jan-15 |
|  | Mr. Kumaran T | **AP,CSE,SVCE** | Dr.Lakshmana Pandian | **PT** | Department of CSE, Pondicherry Engineering College | 01/03/2015 |
|  | Mr. T. Rajasekaran | **AP,CSE,SVCE** | Dr. Sumathy Eswaran |  **PT** | Department of CSE, Dr. M. G.R Educational and Research Institute. | Feb-14 |
|  | Mr. M. Adimoolam | **AP,CSE,SVCE** | Dr. M. Sugumaran | **PT** | Department of CSE, Pondicherry Engineering College | Oct 2013 |

**A). Papers published by the faculty members in National and International Journals:**

Publications in National Journals : NIL

Publications in International Journals:  **42(2016-2017), 1(2015).**

1. N. Priyadharsini, **N. Rajeswari**, “Sign Language Recognition Using Convolutional Neural Networks”, Volume 5 Issue 6 , International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169, PP: 625 – 628, June 2017.
2. Priyadharsini N, **Rajeswari N**, "Perlustration of Deaf-And-Dumb Alphabet Detection and Interpretation", International Journal of Engineering Development and Research (IJEDR), ISSN:2321-9939, Volume.5, Issue 2, pp.473-476, April 2017.
3. Athithyaa Selvam, Anandrajalu R, Bharat Chandra C, **Rajeswari Natarajan**, “Dynamic Time Warping Approach for User Authentication of Smartphones Using Single-handed Shakes”, Volume 5 Issue 4 , International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169, PP: 345 – 350, April 2017.
4. **Dr.P. Janarthanan**, K. Banumathi and B. Nethaji, " An Intelligent Information Retrieval Approach for Extracting Pills from Fabric Surface Using Subjective and Objective Methods", International Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 4, December 2016.
5. Gerly Eldose, **R. Anitha**, "Improving the provisioning of On-demand data in cloud bigdata" in International Journal of Science and Innovative Engineering and Technology (IJSIET), May 2017.
6. Nirmala B, Manigandan T, **Kumanan K**, "Authentication Schemes For Session Passwords Using Text And Colors", International Journal of Engineering Development and Research (IJEDR), ISSN:2321-9939, Volume.5, Issue 2, pp.966-968, May 2017.
7. Jayapradha, S., **Manikandan, S.P.** (2017) :: “Vehicle License Plate Tracking And Owner Details Identification” International Journal of Informative & Futuristic Research (ISSN: 2347-1697), Vol. 4 No. (8), **April 2017**, pp. 7071-7078, Paper ID: IJIFR/V4/E8/045.
8. V. Nagamalini, **T. Kumaran**, "An User Aware article-article recommendation system using hierarchical clustering", International Journal of Informative & Futuristic Research. ISSN: 2347-1697, Mar 2017.
9. A. Lavanya, **S. Rajalakshmi**, "An associated mining approach for promoting sales of infrequent items using AIF algorithm", International Journal of Informative & Futuristic Research. ISSN: 2347-1697, Feb 2017.
10. V. S. Vidhyalakshmi, **R. Bhuvaneswari,** "Improving the performance of face recognition across gender transformation using Machine Learning Techniques", International Journal of Informative & Futuristic Research. ISSN: 2347-1697, Feb 2017.
11. R. Kavitha**, R. Nedunchelian**, "Study on Search Engine Optimization Technique in Health Care System using Cloud Data", Research Journal of Applied Sciences and Technology 13(6): 432-441, Sep 2016 (**Annexure-II**).
12. V.M. Gayathri**, R. Nedunchelian**, "A Review of Mobile Adhoc Networks ", Middle-East Journal of Scientific Research 24 (11): 3485-3494, 2016 **(Annexure-II).**
13. Merlin Monisha A, **R. Nedunchelian**, "Feature Based Opinion Mining of Customer Review with Entity Chunking Technique", International Journal of Informative & Futuristic Research. ISSN: 2347-1697, Feb 2017.
14. **J.M. Gnanasekar**, D. MIEYAPPAN, Rajesh M "Face To Face and Online Mobile Learning System", The Online Journal of Distance Education and e-Learning, Vol. 4 issue 3, pp. 33-41, July 2016. **(Annexure-I).**
15. Rajesh M, **J.M. Gnanasekar**, "Path observation-based physical routing protocol for wireless ad hoc networks", International Journal of Wireless and Mobile Computing (IJWMC), Vol. 11, No. 3. pp. 244-257, 2016. **(Annexure-II).**
16. **P. Janarthanan,** V. Ramachandran, **"**An Event Graph Based Document Representation for Information Retrieval and Summarazing the Text Based on Events**",** Asian Journal of Information Technology 15(18), 3531-3537, 2016 **(Annexure I).**
17. Balasubramanian, Athithyaa Selvam, **Thivakaran T. K**., "Mining Patterns from 9-1-1 Calls Dataset", InternationalJournal of Applied Information Systems (IJAIS) – ISSN : 2249-0868, Dec 2016.
18. SL Jany Shabu, **Jayakumar C**, "Detection of Brain Tumor by Image Fusion Using Genetic Algorithm", Research Journal of Pharmaceutical, Biological and Chemical Sciences, ISSN: 0975-8585, Sep 2016.
19. **K.S. Gayathri,** K.S. Easwarakumar, Susan Elias, "Probabilistic ontology based activity recognition in smart homes using Markov Logic Network", Knowledge-Based Systems, pg. 1-12, Feb 2017. **(Annexure I)**
20. S.Chandrakala, **Rajeswari. N**, "Representation Learning based Speech Assistive System for Persons with Dysarthria", IEEE Transactions on Neural Systems and Rehabilitation Engineering, Dec 2016 **(Annexure 1**).
21. Amudha M, **Rajeswari. N**, "Speech Emotion Recognition using Global Alignment Kernel with Large Margin Nearest Neighbor Classifier", International journal of Advanced Engineering Technology, April-June 2016 **(Annexure 1).**
22. Subashchandar A, **Jayakumar C**, "SSASD: Semantic and Syntax Aware Service Discovery for Heterogeneous Application in Pervasive Computing", International Science Press IJCTA, 9(9), pp. 4163-4173, 2016. **(Annexure 2)**
23. A. Subashchandar, **C Jayakumar**, "CICV: Cross Indexing and Cross Verification Algorithm Based Service Discovery in Pervasive Computing", International Journal of Engineering and Technology (IJET), pp. 1712-1718, Sep 2016. **(Annexure 2)**
24. **K. Srinivasan**, G. Sumathi, " An Efficient Detection And Countermeasure Of A Jellyfish Attack Using Dmpd Algorithm In Manet", International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE) ISSN: 0976-1353, April 2016.
25. **T. Rajasekaran**, K. Dhinakaran, “LTE Based High Performance Intelligent Transportation System using Multi-HOP Clustering”, Middle-East Journal of Scientific Research 24 (11): 3495-3500, 2016 ISSN 1990-9233 © IDOSI Publications, 2016. **(Annexure-II)**
26. Saroja V. **Umamaheswari**. **S. K**, "A Survey on Security Threats for Cloud Computing & How to Overcome These Challenges", International Journal of Engineering and Management Research", vol 6, Dec 2016.
27. **T.K. Thivakaran and C. Jaya Kumar**, “A New Proposed Hadoop Search (Hasear) Algorithmon Hadoop Framework Using Data Warehouse”, International Journal of Middle-East Journal of Scientific Research 24 (11): 3510-3514, 2016. (**Annexure-II**)
28. M.Mohammed Thaha **& C. Jayakumar**, “A self Intelligent Learner Identification to Increase Self-Efficacy for Enhanced Learning Performance” International Journal of u- and e- service, Science and Technology Vol.,9 No.8 (2016), pp. 209-226.
29. **Rajeswari, N.,** & Chandrakala, S. (2016). Generative Model-Driven Feature Learning for dysarthric speech recognition. Biocybernetics and Biomedical Engineering, Elsevier publication Vol 36, Iss:4, p 553-561. (**Annexure 1**).
30. Anu Inba Mozhi R.S. **and Gayathri K.S**, “Probabilistic Relational Model based approach for Decision Support Systems”, International Journal of Control Theory and Applications (**IJCTA***) Volume*9(10), 2016, pp. 453-461 (**Annexure 2**).
31. **Gayathri K.S**, K. S. Easwarakumar, Susan Elias, "Probabilistic ontology based activity recognition in smart homes using Markov Logic Network", Knowledge-Based Systems, pg. 1-12, Feb 2017 **(Annexure I).**
32. D. Umamageswari, **K. Kumanan**, "Iterative Success Variety Method for joined words in tamil language", International Journal of Engineering and Computer Science (ISSN: 2319-7242), Vol 5, Issue 6, Pg. 17113-17126, June 2016.
33. B. Nirmala, **K. Kumanan**, "A Semantic Question Answering System For Multiple Languages Using Statistical Technique", International Journal of Informative & Futuristic Research. ISSN: 2347-1697, Feb 2017.
34. T. Manigandan, B. Nirmala,**K. Kumanan**, "Remote Access and Control in Android Mobile", International Journal of Informative & Futuristic Research. ISSN: 2347-1697, Feb 2017.
35. N. Saheem Mariam, **K. Srinivasan**, "Implementation of overlay routing based mutlicasting using SDN controller in cloud", International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE) ISSN: 0976-1353, April 2016.
36. K. Malathi and **R. Nedunchelian**, "Detecting And Classifying Diabetic Retinopathy In Fundus Retina Images Using Artificial Neural Networks-Based Firefly Clustering Algorithm", ARPN Journal of Engineering and Applied Sciences, Mar 2016.
37. B. Regina, **R. Nedunchelian, "**Detecting Breast Cancer From Mammogram Images Using A Haar Wavelet Filter With Threshold-Based Segmentation**",** Emerging Technologies in Networking and Security (ETNS) special issue , Dec. 2016.
38. T. Veeramani, **R. Nedunchelian,** "An improved Wrapper Generation using Self Organizing Maps and Meta Heuristic Technique for Web based Biomedical Data Mining",Journal of Medical Imaging and Health Informatics, vol 6, 1581-1584, Feb (Accepted)2016.
39. **S. P. Manikandan,** R. Manimegalai, M. Hariharan, " Gene Selection from Microarray Data using Binary Grey Wolf Algorithm for Classifying Acute Leukemia ", Current signal Transduction Therapy, Bentham Science, 11,pg. 76-83, May 2016. **(Annexure I).**
40. **Thivakaran T. K**, P.S.V.V.N Chnuukya and S. Vijaybanu, "Fingerprint Image Enhancement Using Haer Based Wavelet Transform Over Other Techniques", Asian Journal of Information Technology, pp. 323-328, Feb 2016. **(Annexure I)**
41. **N. M. Balamurugan,** S. Appavu Alias Balamurugan, "Graph And SINR Based Interference Modeling And Routing In MANET", International Journal of Advanced Engineering Technology, E-ISSN 0976-3945, April-June 2016.
42. **N. M. Balamurugan,** S. Appavu Alias Balamurugan, "Performance analysis of Ad-hoc on-demand Distance Vector Routing Protocol", Indian Journal of Science and Technology, ISSN:0974-5645, Vol 9(4), Jan 2016.
43. V. Soniya and **S. Senthamizh Selvi**, “[Accident Avoidance Based on Vehicle Speed Using Chord Algorithm](https://www.ripublication.com/ijaer_spl/ijaerv10n45spl_06.pdf)”,International Journal of Applied Engineering Research (IJAER) , Volume 10, Number 45 (2015), pp.31823-31825 Special Issues.

**B). Papers presented by the faculty members in National and International conferences/** symposiums/workshops**: 11(2016-2017), 1(2014).**

1. **Gnanasekar J.M**, "Management of an assortment of techniques concerning SLA in cloud computing-A Survey”, International Conference On Telecommunication, Power Analysis And Computing Techniques ICTPACT – 2017, on 08-04-2017 at Bharat University, Chennai
2. **Ms.S.U.Muthunagai**, **R. Anitha**, M.Vigneshwaran, M.Aravindasamy, C. Karthi,  **"**An Efficient Hash based data de-duplication approach in large file distributed storage servers**"** in International Conference on Innovative and Emerging Trends in Engineering and Technology at Panimalar Institute of Technology on 15/05/2017.
3. **P. Vinothiyalakshmi, R. Anitha**, "Efficient Dynamic Resource Provisioning using Auction based Technique with improved QoS in Cloud Environment", ICCIDS- (International Conference on Computational Intelligence in Data Science), SSN- June 2017.
4. [V M Harivallabha](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.V%20M%20Harivallabha.QT.&newsearch=true), [I. Anithamahalakshmi](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.I.%20Anithamahalakshmi.QT.&newsearch=true) and [**S. Senthamizh Selvi**](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.S.%20Senthamizh%20Selvi.QT.&newsearch=true), “[A model to improve the reliability of ICT in agriculture](http://ieeexplore.ieee.org/document/7801226/) , [2016 IEEE Technological Innovations in ICT for Agriculture and Rural Development (TIAR)](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7786741), Pages: 124 - 132, DOI: [10.1109/TIAR.2016.7801226](https://doi.org/10.1109/TIAR.2016.7801226), IEEE Conference Publications.
5. **K S Gayathri,** K. S. Easwara Kumar, "Intelligent decision support system for dementia care through smart home", 6th International Conference On Advances In Computing & Communications, ICACC 2016 Elsevier-Procedia Computer Science, vol 93C, pg. 947-955, 6-8 Sep 2016. (published in Scopus Indexed Journal), Cochin, India. (Procedia Computer Science).
6. **C. Jayakumar**, "REQ-RES Matching Based Service Discovery in Pervasive Computing", International Conference on Inventive Computation Technologies, Aug 2016.
7. A. Kannaki, **Gnanasekar J.M** (2016), Cloud Computing Overview, Security Threats and Solutions-A Survey, ICIA-16 Proceedings of the International Conference on Informatics and Analytics, Pondicherry, India — **August 25 - 26, 2016**, ACM New York doi: 10.1145/2980258.2982046.
8. **K. Srinivasan**, G. Sumathi, " Resource Management for Secure Mobile cloud computing: A Survey", International conference of computer & mathematical science (IJCMS), ISSN 2347-8527, Dec 2016.
9. J. Elakkiya, **K S Gayathri, "**Progressive Assessment System for Dementia Care Through Smart Home**",** International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies, 2017.
10. C. Muralidharan, **R. Anitha**, "Risk Analysis of Cloud Service Providers by Analyzing the Frequency of Occurrence of Problems using Eclat Algorithm", International Symposium on Big Data and Cloud Computing Challenges, Mar 2017.
11. **Ms.K.S.Gayathri**, "Assistive dementia care system through smart home", International conference on Smart Systems, Innovations and Computing, Manipal University, Jaipur from 14/04/2017 to 16/04/2017.
12. M. Sowmiya, **M. Adimoolam**, "Secure Cloud Storage Model with Hidden Policy Attribute based Access Control", IEEE International Conference on Recent Trends in Information Technology, **2014.**

**C). National and International Conferences/ symposiums/ workshops attended by the Faculty members:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | Faculty Name | **FDP**/**Workshop**~~/Seminar~~ | Organized by | Duration/Months |
| from | to |
|  | Dr.C.Jayakumar | FDP on Expectations and future of IT Industry | CTS | 22/10/2016 | - |
|  | Dr.C.Jayakumar | Workshop on Data Analysis and Business Intelligence | SVCE | 05/12/2016 | 09/12/2016 |
|  | Dr.T.K.Thivakaran | FDP on Expectations and future of IT Industry | CTS | 22/10/2016 | - |
|  | Dr.S.P.Manikandan | Attended TEQIP-II sponsored Six days Short Term Hands-On Training Programme on "Cloud Computing Technologies" | Thiagarajar College Of Engineering, Madurai | 29/11/2016 | 04/12/2016 |
|  | Ms.N.Rajeswari | Attended National Workshop on Data Analysis and Business Intelligence | SVCE | 05/12/2016 | 09/12/2016 |
|  | Ms.G.Janakasudha | Workshop on Android App Development | SVCE | 01/10/2016 | - |
|  | Ms.E.Rajalakshmi | Attended National Workshop on Data Analysis and Business Intelligence | SVCE | 05/12/2016 | 09/12/2016 |
|  | Mr.N.M.Balamurugan | Yoga and life management | IIT Delhi | 07/11/2016 | 11/11/2016 |
|  | Ms.T.Padmavathy | Attended National Workshop on Data Analysis and Business Intelligence | SVCE | 05/12/2016 | 09/12/2016 |
|  | Ms..R.Bhuvaneswari | Attended National Workshop on Data Analysis and Business Intelligence | SVCE | 05/12/2016 | 09/12/2016 |
|  | Ms.S.Poorani | Attended National Workshop on Data Analysis and Business Intelligence | SVCE | 05/12/2016 | 09/12/2016 |
|  | Mr. S.Yuvaraj | Attended National Workshop on Data Analysis and Business Intelligence | SVCE | 05/12/2016 | 09/12/2016 |
|  | Ms.D.Sasikala | Development in High Performance Computing Application using C | VIT, Vellore | 22/10/2016 | - |
|  | Ms.S.Senthamizh Selvi | Attended National Workshop on Data Analysis and Business Intelligence | SVCE | 05/12/2016 | 09/12/2016 |
|  | Ms.B.Lalithambigai | Attended National Workshop on Data Analysis and Business Intelligence | SVCE | 05/12/2016 | 09/12/2016 |
|  | Ms.S.U.Muthunagai | Attended National Workshop on Data Analysis and Business Intelligence | SVCE | 05/12/2016 | 09/12/2016 |
|  | Ms.S.U.Muthunagai | FDP on Grid and Cloud Computing | Saveetha Engineering College | 16/06/2016 | 17/06/2016 |
|  | Mr.K.Kumanan | Attended National Workshop on Data Analysis and Business Intelligence | SVCE | 05/12/2016 | 09/12/2016 |
|  | Mr.M.Adimoolam | Yoga and life management | IIT Delhi | 07/11/2016 | 11/11/2016 |
|  | Ms.R.Iyswarya | Attended National Workshop on Data Analysis and Business Intelligence | SVCE | 05/12/2016 | 09/12/2016 |
|  | Mr.T.Kumaran | 3 days - STTP on Data Science Hands on Session with Open Source Tools | A.V.C College of Engineering, Mannampandal | 24/11/2016 | 26/11/2016 |
|  | Mr. R.Senthil Kumar | Attended National Workshop on Data Analysis and Business Intelligence | SVCE | 05/12/2016 | 09/12/2016 |
|  | Mr. S.Yuvaraj | 3 days - STTP on Data Science Hands on Session with Open Source Tools | A.V.C College of Engineering, Mannampandal | 24/11/2016 | 26/11/2016 |
|  | Mr. C.S.Sanoj | 3 days - STTP on Data Science Hands on Session with Open Source Tools | A.V.C College of Engineering, Mannampandal | 24/11/2016 | 26/11/2016 |
|  | Mr. T.Rajasekaran | 3 days - STTP on Data Science Hands on Session with Open Source Tools | A.V.C College of Engineering, Mannampandal | 24/11/2016 | 26/11/2016 |
|  | Dr. V. Vidhya | Workshop on Big Data Analytics | Infosys | 01/06/2017 | 02/06/2017 |
|  | Ms. N. Revathi | Workshop on Big Data Analytics | Infosys | 01/06/2017 | 02/06/2017 |
|  | Ms.K.S.Gayathri | Workshop on Big Data Analytics | Infosys | 01/06/2017 | 02/06/2017 |
|  | Mr.K.Srinivasan | Workshop on Big Data Analytics | Infosys | 01/06/2017 | 02/06/2017 |
|  | Ms.R.Gayathri | Workshop on Big Data Analytics | Infosys | 01/06/2017 | 02/06/2017 |
|  | Ms.S.Rajalakshmi | Workshop on Big Data Analytics | Infosys | 01/06/2017 | 02/06/2017 |
|  | Ms.S.Senthamizh Selvi | Workshop on Big Data Analytics | Infosys | 01/06/2017 | 02/06/2017 |
|  | Mr. M.P. LakshmanaKumar | Workshop on Big Data Analytics | Infosys | 01/06/2017 | 02/06/2017 |
|  | Mr.T.Kumaran | Workshop on Big Data Analytics | Infosys | 01/06/2017 | 02/06/2017 |
|  | Mr. C.S.Sanoj | Workshop on Big Data Analytics | Infosys | 01/06/2017 | 02/06/2017 |
|  | Dr.R.Jayabhaduri | Training programme on "Wind Farm Analytics" | Eye power WEG service, Aralvaimozhy | 16/05/2017 | 20/05/2017 |
|  | Ms.K.S.Gayathri | FDTP on Data Analytics | SVCE | 05/06/2017 | 07/06/2017 |
|  | Ms.K.S.Gayathri | Workshop on Scope for R&D Projects and Proposal Preparation | Anna University | 12/05/2017 | - |
|  | Dr. Kumaratharan | Participated in FDP on Augmented Reality | CTS MEPZ, Chennai | 20/05/2017 | - |
|  | Dr. P.Janarthanan | Participated in FDP on Augmented Reality | CTS MEPZ, Chennai | 20/05/2017 | - |
|  | Mr.K.Srinivasan | Participated in FDP on Augmented Reality | CTS MEPZ, Chennai | 20/05/2017 | - |
|  | Ms.R.Gayathri | Participated in FDP on Augmented Reality | CTS MEPZ, Chennai | 20/05/2017 | - |
|  | Ms.T.Padmavathy | Participated in FDP on Augmented Reality | CTS MEPZ, Chennai | 20/05/2017 | - |
|  | Dr.R.Anitha | Attended Two days National level workshop on Role of Information Technology in Scientific research, conducted by the Department of Network systems and Information technology | University of Madras, Guindy Campus, Chennai-25 |  |  |
|  | Dr.R.Anitha | Attended Faculty Development program (3 DAYS) on Internet of Things, Department of Computer Science and Engineering | Jeppiar Engineering College | 23/11/2016 | 26/11/2016 |
|  | Dr.S.P.Manikandan | Attended TEQIP-II sponsored Six days Short Term Hands-On Training Programme on "Cloud Computing Technologies" | Thiagarajar College Of Engineering, Madurai | 29/11/2016 | 04/12/2016 |
|  | Ms.N.Revathi | Two Days Workshop on Green Computing | Anna University | 08/04/2017 | 09/04/2017 |  |  |  |
|  | Ms.D.Sasikala | Two Days Workshop on Green Computing | Anna University | 08/04/2017 | 09/04/2017 |
|  | Ms.S.Senthamizh Selvi | Two Days Workshop on Green Computing | Anna University | 08/04/2017 | 09/04/2017 |
|  | Ms.R.Iyswarya | Two Days Workshop on Green Computing | Anna University | 08/04/2017 | 09/04/2017 |
|  | Ms. V.Rajalakshmi | FDTP on Data Analytics | SVCE | 05/06/2017 | 07/06/2017 |
|  | Ms.G.Janakasudha | FDTP on Data Analytics | SVCE | 05/06/2017 | 07/06/2017 |
|  | Ms.T.Padmavathy | FDTP on Data Analytics | SVCE | 05/06/2017 | 07/06/2017 |
|  | Ms.D.Sasikala | FDTP on Data Analytics | SVCE | 05/06/2017 | 07/06/2017 |
|  | Ms.S.Senthamizh Selvi | FDTP on Data Analytics | SVCE | 05/06/2017 | 07/06/2017 |
|  | Ms.R.Iyswarya | FDTP on Data Analytics | SVCE | 05/06/2017 | 07/06/2017 |
|  | Ms.G.Janakasudha | Workshop on Android App Development | SVCE | - |  |
|  | Ms. V.Rajalakshmi | Workshop on Scope for R&D Projects and Proposal Preparation | Anna University | 12/05/2017 | - |
|  | Ms.E.Rajalakshmi | FDTP on Data Warehousing and Data Mining | Rajalakshmi Institute of Technology | 09/06/2017 | 16/06/2017 |
|  | Ms.E.Rajalakshmi | Workshop on Graph theory and its Applications  | SVCE | 28/06/2017 | - |
|  | Ms.R.Gayathri | Workshop on Big Data Analytics | SVCE | 22/04/2017 | 23/04/2017 |
|  | Ms.U.Abirami | FDP on CS6702 – Graph Theory and Applications | SA Engineering College | 07/06/2017 | 09/06/2017 |
|  | Ms.U.Abirami | Workshop on Graph theory and its Applications  | SVCE | 28/06/2017 | - |
|  | Ms..R.Bhuvaneswari | Workshop on Graph theory and its Applications  | SVCE | 28/06/2017 | - |
|  | Ms.P.Vinothiyalakshmi | FDTP on Data Analytics | SVCE | 05/06/2017 | 07/06/2017 |
|  | Ms.S.Rajalakshmi | FDP on CS6702 – Graph Theory and Applications | SA Engineering College | 07/06/2017 | 09/06/2017 |
|  | Ms.S.Rajalakshmi | Workshop on Graph theory and its Applications  | SVCE | 28/06/2017 | - |
|  | Ms.J.Buvana | Workshop on Graph theory and its Applications  | SVCE | 28/06/2017 | - |
|  | Ms.J.Buvana | FDTP on Data Analytics | SVCE | 05/06/2017 | 07/06/2017 |
|  | Mr.M.Suresh Kumar | Tools on Cyber Security : A Laboratory Course | IIT Bombay | 22/05/2017 | 26/05/2017 |
|  | Mr.M.Adimoolam | Tools on Cyber Security : A Laboratory Course | IIT Bombay | 22/05/2017 | 26/05/2017 |
|  | Mr.M.Suresh Kumar | One Day FDP | Accenture | - |  |
|  | Mr.M.Suresh Kumar | Attended 2 days about CIO Challenges boot Camp | CTS | 09/01/2017 | 10/01/2017 |
|  | Ms.D.Sasikala | Workshop on Scope for R&D Projects and Proposal Preparation | Anna University | 12/05/2017 | - |
|  | Ms.S.Senthamizh Selvi | Workshop on Scope for R&D Projects and Proposal Preparation | Anna University | 12/05/2017 | - |
|  | Mr. M.P. LakshmanaKumar | One Day Workshop on Embedded Systems – ARM 7 | Pantech | 23/06/2017 | - |
|  | Mr.T.Kumaran | Attended a Seminar on Cloud Computing | SVCE | - |  |
|  | Mr. S.Yuvaraj | Attended One Day FDP on “New Paradigm in Software Engineering” | Sri Krishna College of Enginering, Coimbatore | 31/01/2017 | - |
|  | Mr. T.Rajasekaran | **Participated in workshop on “NextGen Cloud computing”** | **SVCE** | 25/05/2017 | - |
|  | Mr. T.Rajasekaran | Attended a FDP on “New Paradigms in Software Engineering” | **Sri Krishna College of Eng & Tech,** **Coimbatore** | 31/01/2017 | - |
|  | Mr. T.Rajasekaran | FDP on CS6702 – Graph Theory and Applications | SA Engineering College | 07/06/2017  | 09/06/2017 |

**2) Departmental research activities:**

**A). Symposium, Conferences, Workshop and Guest lecture Conducted:**

**Conference organized: NIL**

**Symposium organized:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No. | Name of the Faculty | Name of Symposium | National / international | Sponsoring Agency | Period |
| From | To |
| 1 | Mr.K.SrinivasanMs.G.Janaka SudhaMs. S. Rajalakshmi | Interrupt 16 | National | SVCE | 01/10/2016 | 01/10/2016 |

**Workshops organized:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No. | Name of the Faculty | Name of workshop | National / international | Sponsoring Agency | Period |
| From | To |
|  | Dr.R.NedunchelianDr.R.JayabhaduriMs. V.Rajalakshmi | Workshop on Data Analysis and Business Intelligence | National | SVCE (Rs. 2522/-) | 05/12/2016 | 09/12/2016 |
|  | Dr.R.AnithaMs.P.Vinothiyalakshmi | Workshop on Globus Tool Kit | National | SVCE | 24/09/2016 | - |
|  | Dr. J. M. GnanasekarMr. R. Senthilkumar | Open Source Technology | National | SVCE | 30/09/2016 | - |
|  | Dr.C.Jayakumar Dr.R.Jayabhaduri Ms.V.Rajalakshmi | Workshop on Big Data : Streaming Analytics and Applications | National | SVCE | 25/3/2017 | - |

**Guest Lectures/Workshops organized byACE:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SNo.** | **Date** | **Title of the Lecture** | **Details of the speaker #**  | **Target****Audience\*** | **No. of Students** |
|  | 21/7/16 | Fundamentals of virtualization and data center concepts | Mr. M.Mallikarjun CTO, Springpath Inc., San Francisco Bay Area, USA mallik@springpathinc.com |  V Semester | 230 |
|  | 6/9/16 | How to excel in Engineering?  | Mr.Tarun Chinmai Software Engineer, Akamai Technologies, Chennaitchinmai7@gmail.com  | I Semester | 180 |
|  | 6/9/16 | How to meet Industries Expectations?  | Mr.N.Arun Software Developer, Zoho Corporation, Chennai.arunn539@gmail.com  | I Semester | 180 |
|  | 6/9/16 | Product Development in Startups  | Mr.Arjhun Srinivas Co-Founder, Sadgi Creative, Bengaluru. arjhun.s@gmail.com | I Semester | 180 |
|  | 1/10/16 | Recent developments in building Smart Cities &Inauguration of Interrupt'16 Symposium | Mr.M.RajathuraiTechnical Director(Asia Pacific), Bentley Systems India Pvt. Ltd., Chennaim.rajathurai@bentley.com | III & V Semesters | 230 |
|  | 8/10/16 | Data Ingestion Techniques | Dr. B.MuthukumaranPractice Head - Big data & GM Training, HTC Global Service India Pvt. Ltd., Chennaihttps://www.linkedin.com/in/bmuthu?authType=name&authToken=rTPr | VII Semester | 70 |
|  | 1/10/16 | **Workshop** on Android App Development ( Intermediate Level) | Mr.Tarun Chinmai (CS Alumnus, 2016 batch)Software Engineer, Akamai Techniologies, Chennai | III year and IV year | 25 |
|  | 1/10/16 | Valedictory Address and Prize distribution | Mr.Tarun Chinmai (CS Alumnus, 2016 batch)Software Engineer, Akamai Techniologies, Chennai | III year and IV year | 150 |
|  | 25/2/17 | **Workshop** on Docker Technology | Mr.Tarun Chinmai (CS Alumnus, 2016 batch)Software Engineer, Akamai Techniologies, Chennai  | III year and IV year | 30 |
|  | 25/2/17 | **Workshop** on React Native Framework | Mr.Siddanth SuranaApplication Developer, Hatch,Chennai | III year and IV year | 30 |
|  |  |  **Total Number of Lectures : 7****Total Number of Workshops(Organized by ACE): 3** |

**B). a) Ongoing external funded projects in the Department:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name of the Principal Investigator** | **Name of the Co-Investigator** | **Project Title** | **Agent** | **Sanctioned Amount** | **Duration** | **Status** |
| Dr. R. Anitha | **-** | DigiCert: Data Security in Federated DigiCloud Environment using Homomorphic Technique | **SERB- DST** | **INR 27 lakhs** | 3 years | Approved(16th Aug 2016) |
| Dr.R.NedunchelianProf/CS | Merlin Monisha AII year ME (CSE) | Aspect Based Opinion Mining Of Customer Reviews With Entity Identification Technique | **TNSCST – Tamilnadu student project scheme**  | **INR 10000** | 1 year | Approved |

 **b) Intramural funded projects Sanctioned in the Department:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Academic Year** | **Name of the Principal Investigator** | **Name of the Co-Investigator** | **Project Title** | **Sanctioned Amount** | **Duration** | **Status** |
| 2016-2017 (PG) | Mrs.N.Rajeswari ME | Priyadharsini N | Sign Language Recognition Using Convolutional Neural Networks | INR 8000 | 1 year | Approved |
| 2016-2017 (UG) | Ms.S.Poorani | Krishnan.S,Sachin.S,Balasubramanian T | Intelligent Intrusion detection system using a committee of experts | INR 7000 |  1 year | Approved |

 **c). Projects submitted to Funding Agencies by the Department:**

1. **N. M. Balamurugan (PI), E. Rajalakshmi (Co-PI),** Assistant Professor, Department of Computer Science and Engineering submitted a proposal "An optimistic approach in the diagnosis of cancer using classification algorithms in data mining" to SERB (Scheme: High Risk, High Reward) for INR 4,67,279 on 12-July-2016.
2. **N.Revathi (Co-PI)** Assistant Professor, Department of Computer Science and Engineering submitted a proposal "ProTHP-SM: Proactive VM Migration under Thermal Hotspot Prediction for Guaranteed Performance and Enhanced Secure Virtual Machine for Multi-Tenancy " to SERB, Dec 2016.
3. **Dr. R. Anitha (PI),** Professor and Head, Department of Computer Science and Engineering submitted a proposal titled "Statistical Big data analytics for Prognosis and diagnosis of Cancer based on Clinical data" to DST-SwarnaJayanti Fellowship(2016-2017) Engineering Sciences.
4. **Dr. R. Anitha (PI),** Professor and Head, Department of Computer Science and Engineering submitted a proposal titled "ARMCLOUD: An optimal framework for provisioning of armaments using Arm as a Service for Emergency Management" to DRDO, Mar 2017.

**Patent Submission:**

**1. Dr. C. Jayakumar** submitted a patent to "Intellectual Property Building", Application Number -201641044047 on 03/02/2017.

 **d) Students Project Proposal:**

 **STUDENTS SUBMITTED PROJECT PROPOSAL FOR INTRAMURAL RESEARCH FUNDING:**

|  |  |  |  |
| --- | --- | --- | --- |
| **NAME** | **TITLE** | **AGENCY** | **GUIDE** |
| Gerly Eldose | DAS-Enhancing the provisioning of on demand secure data in cloud big data using DBF | Intramural | Dr.R.Anitha PhD |
| Merlin Monisha A | Aspect Based Opinion Mining Of Customer Reviews With Entity Identification Technique  | Intramural | Dr.R.Nedunchelian PhD |
| Nirmala B | A Semantic Question Answering system for multiple language using statistical techniques | Intramural | Mr.K.Kumanan MTech |
| Priyadharsini N | Sign Language Recognition Using Convolutional Neural Networks | Intramural | Mrs.N.Rajeswari ME |

 **TNSCST Proposal Granted:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAME** | **TITLE** | **AGENCY** | **GUIDE** | **Sanctioned Amount** |
| Merlin Monisha A | Aspect Based Opinion Mining Of Customer Reviews With Entity Identification Technique  | Tamilnadu Student Project Scheme | Dr.R.Nedunchelian PhD | INR 10,000 |

 **LIST OF STUDENTS WHO SUBMITTED PROJECT PROPOSAL FOR**

 **TAMIL NADU STUDENT PROJECT SCHEME (TNSCST):**

|  |  |  |  |
| --- | --- | --- | --- |
| **NAME** | **TITLE** | **AGENCY** | **GUIDE** |
| Elakkiya J | Progressive Assessment for Dementia Care Through smart home | Tamilnadu Student Project Scheme | Mrs.K.S.Gayathri ME |
| Gerly Eldose | DPRI-Improving the provisioning of on demand data in cloud-big data using DBF | Tamilnadu Student Project Scheme | Dr.R.Anitha PhD |
| Manigandan T | Tamil Characters Recognition of Ancient Epigraphical Inscription | Tamilnadu Student Project Scheme | Dr.V.Vidhya, Ph.D |
| Merlin Monisha A | Aspect Based Opinion Mining Of Customer Reviews With Entity Identification Technique  | Tamilnadu Student Project Scheme | Dr.R.Nedunchelian PhD |

**3) Student Research Activities:**

**A). List of projects carried out by the students in the department as in house and Industrial project:**

**Projects Done:**

**UG IV year (2016-2017)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Batch No** | **Section** | **Univ Reg No** | **Name of the student** | **Name of the guide** | **Title of the Project** | **Inhouse/External** |
| 1 | A |  212713104001  | AAKASH T C  | Mr. M SURESHKUMAR | An Enhanced Fall Detection Monitoring System for Elderly Care | Inhouse |
| A |  212713104010  | AHALYA S  |
| A |  212713104057  | HARI SIDDARTH V K  |
| 2 | A |  212713104002  | ABHINAYAA A  | Ms. U ABIRAMI | Traffic Sign Recognition for Advanced Driver Assistance Systems | Inhouse |
| A |  212713104003  | ABHIRAMI V  |
| A |  212713104048  | GAYATHRI V  |
| 3 | A |  212713104004  |  ABHISHEK B  | Ms. U ABIRAMI | An Application of Random Forest Model for Feedback Sincerity Analysis | Inhouse |
| A |  212713104006  |  ABURVAA RAMESH  |
| A |  212713104029  |  BAALAJI V S  |
| 4 | A |  212713104005  |  ABINESH S  | Mr.T RAJASEKARAN | Keybased Locked Encryption and secure De-Duplication with Big Data | Inhouse |
| A |  212713104050  |  GOBISANKAR K  |
| A |  212713104302  |  ARAVIND T S  |
| 5 | A |  212713104007  |  ADARSH B  | Ms. S K UMAMAHESWARI | Session Based Password Hashing | Inhouse |
| A |  212713104044  |  FASEEH RAHMAN F  |
| B |  212713104093  |  MURALI P  |
| 6 | A |  212713104008  |  ADITHYA M  | Ms.G JANAKASUDHA | Regulation of Traffic by Controlling Signal and Traffic Monitoring using IOT | Inhouse |
| C |  212713104167  |  VENKATACHALAM M  |
| C |  212713104322  | SHREE HARAN S  |
| 7 | A |  212713104009  |  AGILVISAAKAN N  | Dr.R JAYABHADURI | Auto Navigation for Indoor Location Aware System using Virtual Reality | Inhouse |
| A |  212713104013  |  AKSHAY J  |
| A |  212713104032  |  BALASUBRAMANIYAM M  |
| 8 | A |  212713104011  | AISHWARYA SUKUMARAN  | Dr.V VIDHYA | Shoppers Deight Frequent Itemset Mining | Inhouse |
| A |  212713104039  | DHIKSHA RAMKUMAR  |
| B |  212713104087  | MEGHA MENON  |
| 9 | A |  212713104012  | AKASH BOOMINATHAN K  | Dr.J M GNANASEKAR | Truthfully greedy Mechanism for Dynamic Resource Allocation in cloud | Inhouse |
| B |  212713104099  | NIKHIL JAIRAM  |
| B |  212713104100  | NIKHIL PARIDA  |
| 10 | A |  212713104014  | AKSHAYA L  | Ms.S RAJALAKSHMI | Identifying rating and Review based Ranking fraud in mobile app Market | Inhouse |
| A |  212713104034  | BHARGAVI K  |
| A |  212713104054  | HAMSIKA NAVEEN  |
| 11 | A |  212713104015  | AKSHAYA S  | Dr.R NEDUNCHELIAN | Agriculture Monitoring and Crop Detection System | Inhouse |
| A |  212713104038  | DEEPAPREMA V  |
| A |  212713104051  | GOPI K  |
| 12 | A |  212713104016  |  AMAN S KOTHARI  | Mr.M P LAKSHMANAKUMAR | An android Application to Track College Bus | Inhouse |
| A |  212713104037  |  CHINTAN M JAIN  |
| A |  212713104055  |  HARI BHARATH R  |
| 13 | A |  212713104017  | ANAND K  | Ms.S U MUTHUNAGAI | ATM Security using Interactive Voice Response System | Inhouse |
| A |  212713104052  | GOWTHAM R  |
| A |  212713104305  | BALAJI R  |
| 14 | A |  212713104018  | ANAND M  | Mr.C S SANOJ | EMOREC | Inhouse |
| C |  212713104143  | SHRAVYA R  |
| C |  212713104158  | SWETHA P  |
| 15 | A |  212713104019  |  ANANDARAJALU R  | Ms.N RAJESWARI | Dynamic Time Warping Approach for User Authentication of Smart Phone using Single Hand Shake | Inhouse |
| A |  212713104028  |  ATHITHYAA S  |
| A |  212713104033  |  BHARAT CHANDRA C |
| 16 | A  |  212713104020  | ANITHA R  | Ms.T PADMAVATHY | Smart Parking System | Inhouse |
| A |  212713104022  | ANUSHA KUMAR  |
| A |  212713104056  | HARINI N  |
| 17 | A |  212713104021  | ANITHAMAHALAKSHMI  | Ms.S SENTHAMIZHSELVI | Load Balancing using Machine Language | Inhouse |
|   | A |  212713104058 |  HARIVALLABHA V M  |
| 18 | A |  212713104023  | ANU SHARMILA S  | Ms.P VINOTHIYALAKSHMI | Efficiency Resource Scheduling using Discount Pricing Cloud Computing | Inhouse |
| A |  212713104043  | DURGADEVI B  |
| B |  212713104084  | MAHAA LASHMI S  |
| 19 | A  |  212713104024  |  ARAVINDHA SAMY S  | Dr.T K THIVAKARAN | Exploration of Ticket/Label Based Representation by Social Re-Grading | Inhouse |
| A |  212713104306  |  BASKARAN R  |
| A |  212713104309  |  DHAMEEM ANSARI N  |
| 20 | A  |  212713104025  |  ARUN J  | Mr.S YUVARAJ | Personalized Recommendation System | Inhouse |
| A |  212713104040  |  DINEESH S V  |
| A |  212713104046  |  GAUTHAM KRISHNAN S  |
| 21 | A |  212713104026  | ARUN M C  | Dr.J M GNANASEKAR | A Smart way for Polution Monitoring using Sensors | Inhouse |
| A |  212713104053  | GOWTHAM S  |
| B |  212713104118  | PUJITHA B  |
| 22 | A |  212713104027  | ASHWIN SAMPATH RAAJU  | Ms.T PADMAVATHY | SPOT instance Scheduler | Inhouse |
| C |  212713104132  | SAMEETH KRISHNA KUMAR  |
| C |  212713104147  |  SHRIRAM R  |
| 23 | A |  212713104031  | BALASUBRAMANIAN T  | Ms.S.POORANI | Intelligent Intrusion detection system using a committee of experts | External |
| B |  212713104081  | KRISHNAN S  |
| C |  212713104129  | SACHIN S  |
| 24 | A |  212713104035  | CELESTIN AROKIA RAJ A  | Mr.M P LAKSHMANAKUMAR | Secure and Efficient Data Communication Protocol for Wireless Sensor Networks | Inhouse |
| A |  212713104301  |  ANERUTH JAGAN B  |
| A |  212713104308  |  CHANDRA BOSE A  |
| 25 | A |  212713104036  |  CHANDRA SEKAR V  | Mr.T RAJASEKARAN | Dynamic routing for flying AD-HOC Networks | Inhouse |
| A |  212713104041  |  DINESH P  |
| A |  212713104042  |  DIWAKAR M  |
| 26 | A |  212713104045  |  GALLA DEVENDRA  | Mr.A SOWMYANARANAN | Scale and orientation invariant optical character Recogniton | Inhouse |
| C |  212713104146  |  SHRINIVAS SURESH  |
| C |  212713104130  |  SAI KRISHNA K  |
| 27 | A |  212713104047  | GAYATHRI M  | Mr.K SRINIVASAN | Analyzing and Optimizing Intrusion Detection System in a Manet | Inhouse |
| A |  212713104049  | GAYATHRI REDDY S  |
| A |  212713104059  | JANANI G  |
| 28 | B |  212713104060  |  JASSIM FARHAN F  | Ms.K S GAYATHRI | Compound recommendation system using multi-sourced information | Inhouse |
| B |  212713104079  |  KEERTHIVASAN A  |
| B |  212713104072  | KARAN VENKATESH  |
| 29 | B |  212713104061  | JAYASREE P V  | Ms.V RAJALAKSHMI | Dynamic Proactive Vehicle rerouting for traffic congestion | Inhouse |
| B |  212713104063  | JAYPRIYADHARSINI P  |
| B |  212713104094  | MYTHREYI P  |
| 30 | B |  212713104062  | JAYASUNDAR B  | Ms.S U MUTHUNAGAI | A QoS Oriented Vertical Handoff Scheme For WiMAX/WLAN Overlay Network | Inhouse |
| C |  212713104133  | SANDHEEP S  |
| C |  212713104142  | SHARUN RAJ A  |
| 31 | B |  212713104064  | JEEVITHA E  | Mr. N M BALAMURUGAN | Two Server Authenticated Key Exchange for File Sharing | Inhouse |
| B |  212713104069  | KALPANA J  |
| B |  212713104090  |  MOHANA S  |
| 32 | B |  212713104065  |  JOEL SUNDER PAUL S  | Ms. B LALITHAMBIGAI | Remote Patient monitoring using Cloud Aggregator | Inhouse |
| C |  212713104128  |  ROSHINI A  |
| C |  212713104157  |  SWETA M  |
| 33 |   |  212713104066  | JOSEPHINE F  | Ms. S K UMAMAHESWARI | Secure Transmission By Detecting Invalid Signature in Wireless mobile Network  | Inhouse |
| B |  212713104067  | JOTHI N S  |
| B |  212713104078  | KEERTHANA S  |
| 34  | B |  212713104068  | KALAIVANI K  | Ms. E RAJALAKSHMI | Supporting Semantic Search using RDF Ontology Based Repository | Inhouse |
| B |  212713104107  | NIVETHITHA S  |
| B |  212713104117  | PRIYADHARSHINI R  |
| 35 | B |  212713104070  | KAMALAPRIYA S  | Ms. V RAJALAKSHMI | Prediction of Diabetes based on Machine Learning Systems | Inhouse |
| B |  212713104075  | KASTHURI S  |
| B |  212713104105  | NIVEDITA A  |
| 36 | B |  212713104071  | KAMALI S  | Ms. N REVATHI | Enhancing the Network Lifetime by energy Efficient routing Scheme | Inhouse |
| B |  212713104310  | DIVYABHARATHI J  |
| A |  212713104307  | BHARATHI N  |
| 37 | B |  212713104073  | KARTHI C  | Dr.R ANITHA | An Efficient Hash based Secure Data Storage System using DeDuplication Approach in Large Scale Storage Servers | Inhouse |
| C |  212713104173  | VIGNESHWARAN M  |
| C |  212713104501  | ARAVINDA SAMY M  |
| 38 | B |  212713104074  | KARTHIC L R  | Ms. S SENTHAMIZHSELVI | Personal Assistant using Recurrent Neural Network for Sentence Classification | Inhouse |
| B |  212713104076  | KAVIN S  |
| B |  212713104080  | KESHAV CHANDRASHEKAR  |
| 39 | B |  212713104077  | KAVITHA R  | Mr. M SURESHKUMAR | Localization Wireless Sensor Network using Location Aware Routing Algorithm | Inhouse |
| B |  212713104091  | MONISA RA  |
| B |  212713104311  | HARITHA DEVI R S  |
| 40 | B |  212713104082  | MADDALI ROHITH  | Mr. C S SANOJ | Voice based Email System for Visually Imapired People | Inhouse |
| B |  212713104115  | PREETHI K  |
| C | 212713104144 | SHRENIKA MOHAN  |
| 41 | B |  212713104083  | MAGESH M  | Mr. R SENTHILKUMAR | Inferring using Image Search Goals using Web Queries Clique Based Reranking | Inhouse |
| B |  212713104103  | NITHYA S  |
| B |  212713104104  | NIVEDHITHA S  |
| 42 | B |  212713104085  |  MANERETHINAM J  | Ms. D SASIKALA | A Normal Structure with QoS associations for Service Selection | Inhouse |
| B |  212713104114  |  PRAVIN RAJ S  |
| B |  212713104317  |  PRAVEEN KUMAR  |
| 43 | B |  212713104086  | MANISHA R  | Dr. R JAYABHADURI | Congestion Relieved Path Planning for Group Based Emergency Systems | Inhouse |
| C |  212713104125  | RITHIKA M  |
| C |  212713104139  | SANTHYA N S   |
| 44 | B |  212713104088  | MEHUL S SHAH  | Ms. R IYSWARYA | Multi-Keyword Rank Search on Encrypted Cloud Data | Inhouse |
| B |  212713104092  | MONISH S  |
| B |  212713104097  | NEDURUMALLI SAI BALAKRISHNA REDDY  |
| 45 | B |  212713104089  | MILIN S  | Ms. E RAJALAKSHMI | A new Data Mining Based Approach for Network Intrusion Detection | Inhouse |
| B |  212713104098  | NIKHIL HINDUJA  |
| B |  212713104111  | PRASHANTH M  |
| 46 | B |  212713104095  | NARENDRA RAJ R K  | Dr. T K THIVAKARAN | Health Risk Predication using SHG Algorithm | Inhouse |
| C |  212713104120  | RAJKUMAR S  |
| C |  212713104136  | SANJAY K  |
| 47 | B |  212713104101  | NISHA K  | Dr. P JANARTHANAN | A Survey of RDF storage approaches in Different Environment | Inhouse |
| B |  212713104106  |  NIVEDITHA RAMESH  |
| B |  212713104318  | RUKUMANI P  |
| 48 | B |  212713104102  | NITHESH B  | Mr. R SENTHILKUMAR | Sentimental Analysis of Tweeks using Naïve Bayes Classifier | Inhouse |
| C |  212713104124  | REVANTH S  |
| C |  212713104169  | VIGNESH L  |
| 49 | B |  212713104109  | PRADEEKA P  | Mr. T KUMARAN | Detection of Privacy Violation in Online Social Network | Inhouse |
| C |  212713104160  |  THAMIZHMOZHI S S  |
| C |  212713104321  |  SHANTHAPRIYA T  |
| 50 | B |  212713104108  | PADMANABHAN L  | Mr. N M BALAMURUGAN | Verify Location Provenance for Ad-Hoc Networks | Inhouse |
| B |  212713104110  | PRANAV KRISHNA S J  |
| B |  212713104112  | PRAVALLIKHA S  |
| 51 | B |  212713104113  |  PRAVEEN J  | Dr. C JAYAKUMAR | Smart Shopping using Barcode Scanner in Super Market | Inhouse |
| B |  212713104314  |  NIRMAL U  |
| B |  212713104315  |  OBULESU  |
| 52 | B |  212713104116  | PRITHIVI RAJ S  | Ms.P VINOTHIYALAKSHMI | Providing Multimedia Based Security on Banking Transaction using SURF Algorithm | Inhouse |
| B |  212713104313  | KIRANKUMAR TR  |
| B |  212713104316  | POOVARASAN A  |
| 53 | C |  212713104119  | RAHUL V  | Ms. B LALITHAMBIGAI | Financial Prediction system using Data Analytics | Inhouse |
| C |  212713104148  | SIDDARTH KUMAR S  |
| C |  212713104165  | VARUN R  |
| 54 | C |  212713104121  |  RAKSHOKINI U  | Dr.S P MANIKANDAN | Analysis of Social Question and Answer System Based on User's Interest | Inhouse |
| C |  212713104123  |  RESHMI AR  |
| C |  212713104164  |  USHA S  |
| 55 | C |  212713104122  | RAM BABU G  | Mr. A SOWMYANARANAN | PassBYOP: Bring your Own Picture for Securing Graphical Passwords | Inhouse |
| C |  212713104162  |  THAYUMANAVAN R  |
| C |  212713104170  |  VIGNESH S P  |
| 56 | C |  212713104126  | ROHITH RAJ  | Ms. R GAYATHRI | Reputation Evaluation System for Effective Handling of Attacks in Wireless Sensor Networks | Inhouse |
| C |  212713104141  | SARAVANAN KARUPPAN CHETTY  |
| C |  212713104145  | SHRINIKETH KRISHNAN  |
| 57 | C |  212713104127  |  ROJA PRIYAA B  | Ms.S.POORANI | Cooperating Load Balancing by Localizability Aided Localization | Inhouse |
| C |  212713104152  | SRIJA B  |
| C |  212713104153  | SUBASHREE A  |
| 58 | C |  212713104155  |  SUHASH R  | Dr. C JAYAKUMAR | Integrated Indoor Navigation System for Ground Vehicles with 3D alignment and Position Initilization | Inhouse |
| C |  212713104166  |  VASUDEV NAYAR  |
| 59 | C |  212713104131  | SAI PRASHANTH S  | Ms. R BHUVANESWARI | Cardless Banking using Mobile Application | Inhouse |
| C |  212713104134  | SANGEETH KUMAR R  |
| C |  212713104326  | VENKATESH S  |
| 60 | C |  212713104135  | SANJANA ARAVINDAN   | Ms. R GAYATHRI | Interactive Image Description | Inhouse |
| C |  212713104149  | SOUNDARYA S  |
| C |  212713104151  | SRIDEEPIKA J  |
| 61 | C |  212713104137  |  SANTHOSH KUMAR S  | Ms. N REVATHI | Sentiment Analysis using Twitter | Inhouse |
| C |  212713104320  |  SATHISH D  |
| C |  212713104327  |  VIJAY SHANKAR U  |
| 62 | C |  212713104138  | SANTHOSH KUMAR T  | Mr. K KUMANAN | Secured and Decentralized File Server Application using block Chain | Inhouse |
| C |  212713104150  | SRI BALAJI P  |
| C |  212713104171  | VIGNESH MOHAN  |
| 63 | C |  212713104140  | SANTOOR MANIKANDAN S  | Mr. M ADIMOOLAM | Fraud Resilient Transactions for Payments | Inhouse |
| C |  212713104172  | VIGNESHWAR R  |
| C |  212713104175  | YASAR ARAFATH R  |
| 64 | C |  212713104154  | SUGANTHI R  | Mr. M ADIMOOLAM | Homomorphic Signatures for Content Distribution with Network Coding | Inhouse |
| C |  212713104156  | SUSMITHA DEVI M  |
| C |  212713104161  | THAMIZH SELVI S  |
| 65 | C |  212713104163  | UNNATI TRIVEDI  | Mr. S YUVARAJ | Face Spoof Detection | Inhouse |
| C |  212713104159  | TARUN SUBRAMANIAM P  |
| C |  212713104174  | VISHAL R  |
| 66 | A |  212713104303  |  ARAVINDH A  | Ms. D SASIKALA | Reversible Data Hiding in Encrypted Images by Reversible Image Transformation | Inhouse |
| A |  212713104304  |  BALAGURU A  |
| C |  212713104312  |  KARTHIKEYAN P  |
| 67 | C |  212713104319  |  SANGEETHA B  | Ms. R IYSWARYA | Secure Reversible Image Data Hiding  | Inhouse |
| C |  212713104324  | SUCHITRA S  |
| C |  212713104325  | SUNTHARA VELAMMAL S |

**ME (CSE) - II YEAR - PROJECT WORK - PHASE I**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SNo** | **Reg.No** | **Name of the student** | **Title of the Project** | **Domain** | **Name of the Guide** | **Inhouse/****External** |
| 1 | 212715405001 | Elakkiya J | Progressive Assessment for Dementia Care through smart home | Artificial Intelligence and Image Processing | Mrs K S Gayathri | **Inhouse** |
| 2 | 212715405002 | M A Fathima Faumeetha | Vehicle License plate Tracking and owner details identification Using image processing Technique | Information Forensics and Security | Mr.Srinivasan | **Inhouse** |
| 3 | 212715405003 | Gerly Eldose | An associated mining approach for Promoting sales of infrequent items using AIF algorithm | Cloud computing | Dr R Anitha | **Inhouse** |
| 4 | 212715405004 | Jayapradha | Tamil character recognition from ancient epigraphical inscription using OCR and NLP | Business Intelligence | Dr S P Manikandan | **Inhouse** |
| 5 | 212715405005 | Lavanya | Fast and Automatic Scalable Scheme for detection of lung nodules in thoracic CT image | Frequent Itemset Mining | Mrs S Rajalakshmi | **Inhouse** |
| 6 | 212715405006 | Manigandan | Improving QOS with enhanced security in vehicular adhoc network | Natural Language Processing | Dr V Vidhya | **Inhouse** |
| 7 | 212715405007 | Mekala G | Improving the Provisioning of On-Demand Data in Cloud Bigdata | Bio Medical Image Processing | Mrs G Janagasudha | **Inhouse** |
| 8 | 212715405008 | Merlin Monisha A | Aspect Based Opinion Mining of Customer Reviews with Entity Identification Technique | Opinion Mining and Natural Language Processing | Dr R Nedunchelian | **Inhouse** |
| 9 | 212715405009 | Nagamalini V | An user –aware article recommendation system using citation network analysis | Learning Technologies | Mr Kumaran | **Inhouse** |
| 10 | 212715405010 | Navin raj F A | An intelligent approach for document summarization through information retrieval  | Data mining (Information retrieval) | Dr P Janarthanan | **Inhouse** |
| 11 | 212715405011 | Nirmala B | A Semantic Question Answering System for Multiple Languages using Statistical Technique | Data mining and Natural Language Processing | Mr K.Kumanan | **Inhouse** |
| 12 | 212715405012 | Priyadarshini | Sign Language Recognition using Convolution Neural Network | Patter Recognition | Mrs N Rajeswari | **Inhouse** |
| 13 | 212715405013 | Vidhyalakshmi V.S | Improving the performance of face recognition across gender transformation using machine learning techniques | Machine learning,Image Processing and Pattern Recognition | Ms.R.Bhuvaneswari | **Inhouse** |

**PG Project Phase – II**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No** | **Reg.No** | **Name of the student** | **Title of the Project** | **Is an In-house project? (Yes/No)** |
|  | **212715405001** | **Elakkiya J** | **Progressive Assessment System for Dementia Care through SMART home** | **Yes** |
|  | **212715405002** | **M A Fathima Faumeetha** | Improving QOS with enhanced security in vehicular adhoc network | **Yes** |
|  | **212715405003** | **Gerly Eldose** | **Improving the Provisioning of On-Demand Data in Cloud Bigdata** | **Yes** |
|  | **212715405004** | **Jayapradha** | **Car License Plate Detection using Optical Character Recognition** | **Yes** |
|  | **212715405005** | **A. Lavanya** | **An Associated Mining Approach for Promoting Sales of Infrequent Items using AIF Algorithm** | **Yes** |
|  | **212715405006** | **Manigandan** | Tamil character recognition from ancient epigraphical inscription using OCR | **Yes** |
|  | **212715405007** | **Mekala G** | **Fast and Automatic Scalable Scheme for detection of lung nodules in thoracic CT image** | **Yes** |
|  | **212715405008** | **Merlin Monisha A** | **Aspect Based Opinion Mining for Customer Reviews with Entity Identification Technique** | **Yes** |
|  | **212715405009** | **Nagamalini V** | An User –Aware Article -Article Recommendation System using Citation Network Analysis | **Yes** |
|  | **212715405010** | **Navin raj F A** | **An intelligent approach for Document Summarization through information retrieval** | **Yes** |
|  | **212715405011** | **Nirmala B** | **A Semantic Question Answering System for Medical Community in Multiple Languages** | **Yes** |
|  | **212715405012** | **N.Priyadharsini** | **Sign Language Recognition using Convolutional Neural Network** | **Yes** |
|  | **212715405013** | **Vidhyalakshmi V.S** | **Improving the performance of face recognition across gender transformation using machine learning techniques** | **Yes** |

**B). Research Publications by students in National and International Journal:**

**National Journal: Nil**

**International Journal: 17(2016-2017) + 1(2015)**

1. Thivakaran T. K, **P.S.V.V.N Chnuukya and S. Vijaybanu**, "Fingerprint Image Enhancement Using Haer Based Wavelet Transform Over Other Techniques", Asian Journal of Information Technology, pp. 323-328, Feb 2016. **(Annexure I)**
2. **N. Saheem Mariam,** K. Srinivasan, "Implementation of overlay routing based mutlicasting using SDN controller in cloud", International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE) ISSN: 0976-1353, April 2016.
3. **D. Umamageswari**, K. Kumanan**, "**Iterative Success Variety Method for joined words in tamil language**",** International Journal of Engineering and Computer Science (ISSN: 2319-7242), Vol 5, Issue 6, Pg. 17113-17126, June 2016.
4. **Balasubramanian, Athithyaa Selvam**, Thivakaran T. K., "Mining Patterns from 9-1-1 Calls Dataset", InternationalJournal of Applied Information Systems (IJAIS) – ISSN : 2249-0868, Dec 2016.
5. P. Janarthanan, **V. Ramachandran**, **"**An Event Graph Based Document Representation for Information Retrieval and Summarazing the Text Based on Events**",** Asian Journal of Information Technology 15(18), 3531-3537, 2016 **(Annexure I).**
6. A. Lavanya, **S. Rajalakshmi**, "An associated mining approach for promoting sales of infrequent items using AIF algorithm", International Journal of Informative & Futuristic Research. ISSN: 2347-1697, Feb 2017.
7. V. S. Vidhyalakshmi, **R. Bhuvaneswari,** "Improving the performance of face recognition across gender transformation using Machine Learning Techniques", International Journal of Informative & Futuristic Research. ISSN: 2347-1697, Feb 2017.
8. Merlin Monisha A, **R. Nedunchelian**, "Feature Based Opinion Mining of Customer Review with Entity Chunking Technique", International Journal of Informative & Futuristic Research. ISSN: 2347-1697, Feb 2017.
9. B. Nirmala, **K. Kumanan**, "A Semantic Question Answering System For Multiple Languages Using Statistical Technique", International Journal of Informative & Futuristic Research. ISSN: 2347-1697, Feb 2017.
10. **T. Manigandan, B. Nirmala**, K. Kumanan, "Remote Access and Control in Android Mobile", International Journal of Informative & Futuristic Research. ISSN: 2347-1697, Feb 2017.
11. **V. Nagamalini, T.** Kumaran, "An User Aware article-article recommendation system using hierarchical clustering", International Journal of Informative & Futuristic Research. ISSN: 2347-1697, Mar 2017.
12. **Jayapradha, S.,** Manikandan, S.P. (2017) :: “Vehicle License Plate Tracking And Owner Details Identification” International Journal of Informative & Futuristic Research (ISSN: 2347-1697), Vol. 4 No. (8), April 2017, pp. 7071-7078, Paper ID: IJIFR/V4/E8/045.
13. Nirmala B, Manigandan T, **Kumanan K**, "Authentication Schemes For Session Passwords Using Text And Colors", International Journal of Engineering Development and Research (IJEDR), ISSN:2321-9939, Volume.5, Issue 2, pp.966-968, May 2017.
14. Gerly Eldose, **R. Anitha**, "Improving the provisioning of On-demand data in cloud bigdata" in International Journal of Science and Innovative Engineering and Technology (IJSIET), May 2017.
15. **N. Priyadharsini**, N. Rajeswari, “Sign Language Recognition Using Convolutional Neural Networks”, Volume 5 Issue 6 , International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169, PP: 625 – 628, June 2017.
16. **Priyadharsini N,** Rajeswari N, "Perlustration of Deaf-And-Dumb Alphabet Detection and Interpretation", International Journal of Engineering Development and Research (IJEDR), ISSN:2321-9939, Volume.5, Issue 2, pp.473-476, April 2017.
17. **Athithyaa Selvam, Anandrajalu R, Bharat Chandra C**, Rajeswari Natarajan, “Dynamic Time Warping Approach for User Authentication of Smartphones Using Single-handed Shakes”, Volume 5 Issue 4 , International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169, PP: 345 – 350, April 2017.
18. **V. Soniya** and S. Senthamizh Selvi, “[Accident Avoidance Based on Vehicle Speed Using Chord Algorithm](https://www.ripublication.com/ijaer_spl/ijaerv10n45spl_06.pdf)”,International Journal of Applied Engineering Research (IJAER) , Volume 10, Number 45 (**2015),** pp.31823-31825 Special Issues.

**C). Research Presentations by students in National and International Conferences/ symposiums/ workshops:**

**Papers presented in Conference by students:**

 **UG:**

1. **SHRUJITHA R** (III year-C) presented a paper in AIESEC (chennai) on 28/08/2016.
2. **UNNATI TRIVEDI** (IV year-C) presented a paper in AIESEC (chennai) on 01/08/2016.
3. **UNNATI TRIVEDI** (IV year-C) presented a paper titled "INTELLIGENT CROWD MANAGEMENT SYSTEM IN TRAINS" in an INTERNATIONAL CONFERENCE ON ELECTRONICS,COMPUTER AND INFORMATION TECHNOLOGY(ECIT-16) in Thailand from 08-08-2016 to 09-08-2016.
4. **PRASANTH B** (III year -B) presented a paper titled " WORLD VIEW MUN" in AIESEC (chennai) from 24/09/2016 to 25/09/2016.
5. [**V M Harivallabha**](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.V%20M%20Harivallabha.QT.&newsearch=true)**,** [**I. Anithamahalakshmi**](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.I.%20Anithamahalakshmi.QT.&newsearch=true) (IV year-A) and [S. Senthamizh Selvi](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.S.%20Senthamizh%20Selvi.QT.&newsearch=true), “[A model to improve the reliability of ICT in agriculture](http://ieeexplore.ieee.org/document/7801226/) , [2016 IEEE Technological Innovations in ICT for Agriculture and Rural Development (TIAR)](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7786741), Pages: 124 - 132, DOI: [10.1109/TIAR.2016.7801226](https://doi.org/10.1109/TIAR.2016.7801226), IEEE Conference Publications.
6. Ms.S.U.Muthunagai, R. Anitha, **M.Vigneshwaran, M.Aravindasamy, C. Karthi**,  **"**An Efficient Hash based data de-duplication approach in large file distributed storage servers**"** in International Conference on Innovative and Emerging Trends in Engineering and Technology at Panimalar Institute of Technology on 15/05/2017.

**PG:**

1. **J. Elakkiya**, K S Gayathri**, "**Progressive Assessment System for Dementia Care Through Smart Home**",** International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies, 2017.
2. **M. Sowmiya,** M. Adimoolam, "Secure Cloud Storage Model with Hidden Policy Attribute based Access Control", IEEE International Conference on Recent Trends in Information Technology, **2014.**

**Papers presented in Symposium by students:**

1. ARUN S K (III year-A), MAHALAKSHMI V (III year-B), KAMESH D (III year-B) presented a paper titled "HOME AUTOMTION USING RASBERRY PI" in symposium held at MEENAKSHI SUNDARARJ COLLEGE on 11-08-2016 **(Won II Prize).**
2. MANOJ R (III year-B), RAJKAMAL G (III year-B) presented a paper in symposium held at MEENAKSHI SUNDARARJ COLLEGE on 13-08-2016.
3. Sowmya. S, Sneeha G, SUJITRAJ T of III year 'C' presented a paper titled "PROMPTING THE USER TO DETECT THE ERRORS THROWN BY THE COMPILER USING BLUE EYES TECHNOLOGY AND AI", ABACUS, Anna University and **WON I PRIZE**.
4. Aarthi R, Aditi Balaji, "AN ENHANCED PATTERN MINING SYSTEM TO DETECT AND PREVENT CRIME USING DATA ANALYTICS", SAMHITA 17, MIT.

**4) Sponsorship details of faculty and students:**

 I) Sponsorship for faculty members: NIL

 A) Faculty sponsored for presentation in National Conferences/ symposiums/ workshops: NIL

B) Faculty sponsored for presentation in International Conferences/ symposiums/ workshops: NIL

II) Sponsorship for Students:

 A). Students sponsored for presentation in National Conferences/ symposiums/ workshops: NIL

B). Students sponsored for presentation in International Conferences/ symposiums/ workshops: NIL

C). Students sponsored for attending national Conferences/ symposiums/ workshops: NIL

**5) Students Research Participation:**

**SVCE Innovates 2017 held on 24th March 2017:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No** | **Name of the students(UG)** | **Title** | **Name of the** **Mentor** | **Prize** |
| 1 | Aravind P.G. (CSE – III year)Akshaya Sai V (CSE – III year)Ganesh Adithya V (CSE – III year) | Solving Sudoku using computer vision and Hamiltonian cycle | Ms. Janakasudha RAssistant Prof/CSE | First Place (CS) |
| 2 | Bharat Goel (CSE – III year) | Automation for effortless horticulture using a sensor and Actuator based mesh network | Mr. Sreeraj S. VAssistant Prof/EEE | First Place(EEE) |
| 3 | Keshav Aditya R.P. (CSE – III year) | Machine Learning and Promoter strength prediction | Mr. Ashok Palani(Assistant Prof/BT) | Second Place (BT) |
| 4 | Ajay Saba.A (CSE – I year) | Internet Of Things(IOT) Controlled Robot | Ms. Arul.PAssistant Prof/ECE | Second Place (CS) |
| 5 | Ishwar Bharathi T. G. (CSE – III year)Ashwinkumar (CSE – III year) | Narada – A Semi-supervised learning approach to Disaster Identification and Management | Dr. V. VidhyaProf/CSE | Third Place (CS) |

**6) Faculty participation in research day 2017 at SVCE:**

|  |  |  |
| --- | --- | --- |
| **S.No** | **Name of the PhD/MS (Research) candidate\* and supervisor** | **Title of the abstract** |
|  | Sivasankari (PT Scholar), (Dr. C. Jayakumar, Prof and HoD/CS)Dr. C. Jayakumar | Feature Selection for Mining Big Data |
|  | Mohammed Thaha M (Full Time) , (Dr. C. Jayakumar, Prof and HoD/CS) | Improve The Learning Outcome Of E-Learners Using Self Intelligent Learning Style Classifier |
|  | Muralikrishnan Ramane (PT Scholar), Dr. J M Gnanasekar**,**  Prof /CS) | A Quality Assured Big Data Processing Framework |
|  | V. Rajaram AP/IT , (Dr. N. Kumaratharan Prof/CS) | Study on clustering and routing protocols in wireless sensor networks |
|  | K. Suresh AP/IT, (Dr. N. Kumaratharan Prof/CS) | Carrier aggregation in heterogeneous LTE networks |
|  | Dr.V.Vidhya, Prof./CS & T.Manigandan (PG Student) | TCRI: Tamil Character Recognition from ancient epigraphical Inscription |
|  | Dr. R.Jayabhaduri Asso Prof/CS | Design of hybrid metaheuristics with effective parallelization for RSMCDD scheduling problems |
|  | Gayathri K.S, Asso Prof/CS, (Dr.K.S.Easwarakumar, Prof/CS, AUC) | Activity Recognition in smart home |
|  | Rajeswari N AP/CS ,(Dr.S.Chandrakala, Department of CS, Sri Krishna college of Engineering and Technology, Coimbatore) | Dynamic Time Warping Approach For User Authentication Of Smartphones Using Single Handed Shakes |
|  | N. Revathi AP/CS (Dr. G. Sumathi, Prof and Head/IMS) | Study on fine grained energy estimation models at the source code level  |
|  | G. Janakasudha AP/CS, (Dr.P.Jayashree, MIT) | Review On Decoding Human Neural Activity Using Machine Learning |

1. **Dr. R. Jayabhaduri**, Asso Prof/CS presented a paper titled "Design of hybrid metaheuristics with effective parallelization for RSMCDD scheduling problems " and won the **first prize** in Faculty Research Day 2017 held on 26/04/2017 at SVCE.
2. **Gayathri K. S**, Asso Prof/CS presented a paper titled "Activity Recognition in smart home" and won the **second prize** in Faculty Research Day 2017 held on 26/04/2017 at SVCE.

**Ms. N. Revathi Dr. R. Anitha**

**(AP/CSE, Research Co-ordinator) HoD/CS**