**Department of Computer Science and Engineering**

**Research activity report - (July 2017- Dec 2017)**

31/01/2018

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

Number of faculty in the Department : 40

Number of faculty with Ph D qualification : 8

Number of faculty pursuing Ph D : **11 (SVCE, AU) + 6 (External)**

Number of supervisors: **5**

Number of research scholars (FT/PT) in the department research centre: **26**

 **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 |

**PhD holders in the CSE department at present:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SL.NO** | **NAME OF THE FACULTY** | **Thesis Title**  | **University** | **YEAR OF Completion** |
| 1 | Dr. R. Anitha | **“MaaS” – Fast and Secured retrieval of data in cloud using metadata as a service** | Anna University | 28th Oct 2014 |
| 2 | Dr. Nedunchelian R | **Comparative Analysis of automatic text summarization techniques** | Bharath University | July 2014 |
| 3 | Dr. Gnanasekar J M | **Enhanced Multi-Agents based model for convergent business services** | Anna University | 2010 |
| 4 | Dr. C. Jayakumar | **Design of routing protocols for mobile ad-hoc networks** | Anna University | 2006 |
| 5 | Dr. Manikandan S P | **Efficient trust and swarm based routing techniques for improving QoS in MANETs** | Anna University | 9th Oct 2014 |
| 6 | Dr. P. Janarthanan | **An efficient text based information retrieval using enhanced term indexing approaches** | Manonmaniam Sundaranar University | May 2015 |
| 7 | Dr. R. Jayabhaduri | **Design of hybrid metaheuristics with effective parallelization for restricted single machine common due date scheduling problem** | Anna University | 6th Sep 2016 |
| 8 | Dr. N.M. Balamurugan | **Routing and direction of arrival tracking in mobile adhoc network** | Anna University | 10th April 2017 |

**PhD holder from CSE Research Centre(Total) : 3**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SL.NO** | **NAME OF THE SCHOLAR**  | **Supervisor** | **Thesis Title** | **FT/PT** | **Research Centre** | **YEAR OF Completion** |
| 1 | Dr. A. Karmel (JULY 2011/2011174052) | Dr. C. Jayakumar  | Recurrent Ant Colony Optimization for path convergence in mobile Ad-hoc networks | **PT** | **CSE, SVCE (Anna University)** | 14th July 2016 |
| 2 | Dr. M. Vijay Anand(1013499770) | Dr. C. Jayakumar  | Bee Colony Optimization Inspired Energy Efficient and secured routing protocols for MANET | **PT** | **CSE, SVCE (Anna University)** | 20th Sep 2017 |
| 3 | Dr. M Mohana(1122499117) | Dr. C. Jayakumar  | Replication and location prediction for multi-version concurrency control in Hierarchical Mobile Database systems | **PT** | **CSE, SVCE (Anna University)** | 10th Nov 2017 |

**PhD Guided by Faculty while working in SVCE (Other University scholars): 3**

1. Dr. Gnanasekar J M guided Mr. BalajeeMaram K (PHD-CB-JUL2011-0385), thesis title – “Enhanced Data Security Model using dynamic key-dependent S-box parameters”, viva voce held on 22/12/2017 (Bharathiar University).
2. Dr. Nedunchelian R guided Mr. T. Veeramani, thesis title – “A metaheuristic approach wrapper generation for WEB data alignement and annotation from WEB databases”, viva voce held on 30/08/2017 (Saveetha University).
3. Dr. C. Jayakumar guided Ms. Akila D, viva voce held on 21/03/2017. (Bharathiar University).

**Research Fellowship:**

1. **Y. Mohamed Sirajudeen**, Junior Research Fellow(JRF) for the grant of SERB-DST project and receiving a consolidated payment of INR **25,000/-** per month for first 2 years and will be paid INR 28,000/- per month from the third year onwards. (Ref File No. ECR/2016/000546/ES-SERB). Appointed order dated 16/03/2017.

**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 M | NA | Dr. C. Jayakumar | PT | JULY 2011/2011174044 |
|  | V. Sathiyavathy | NA | Dr. C. Jayakumar | PT | 1024799724/phd/AR3 (July 2010) |
|  | N. Mythili | NA | Dr. C. Jayakumar | PT | 1024499752/PhD/AR9 (July 2010) |
|  | 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 |
|  | Paruthi Ilam Vazhuthi P | NA | Dr. Manikandan S P | PT | 18124991359/Jan 2018 |
|  | Mr. Prabu S | NA | Dr. Gnanasekar J M | PT | 18144991415/Jan 2018 |
|  | Dhinakaran K  | NA | Dr. Nedunchelian R | PT | 18124991487/Jan 2018 |
|  | Muthukumaran S | NA | Dr. Nedunchelian R | PT | 18144991493/Jan 2018 |
|  | Kalavathi S | AP, IT, SVCE | Dr. Nedunchelian R | PT | 18254991508/Jan 2018 |
|  | Jayalakshmi S L  | NA | Dr. Nedunchelian R(Joint Supervisor) | PT | 1324499193/2013(Confirmation Completed) - 2018 |
|  | **Ms.N.Rajeswari**  | AP,CSE,SVCE | Dr. Nedunchelian R (Joint Supervisor)Dr.S.Chandrakala (Supervisor) | PT | 1225499753 /July 2012(Confirmation Completed) - 2018 |

**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.Srinivasan | **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.R.Anitha** | **PT** | **CS** | **Jan-16** |
| **8** | **Padmavathy T** | **AP,CSE** | **Dr.R.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** |
| **11** | **Ms.N.Rajeswari** | **Associate Prof, CSE** | **Dr. Nedunchelian R(Joint Supervisor)****Dr.S.Chandrakala (Supervisor)** | **PT** | **CS** | **July 2012** |

**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.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 |
|  | Mr. Praveen Kumar B(1414499744) | **AP,CSE,SVCE** | Dr. D. Paul Raj | **PT** | Department of CSE,R.M.D Engineering College (Anna University) | July 2014 |

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

**Research Participation:**

1. Ms. K. S. Gayathri presented her research work titled “Activity recognition and dementia care in smart home” in Doctoral Colloquium 2017 on Digital Government Research conducted at IIT Delhi on 25th Nov 2017.

**Book Publications:**

E.Rajalakshmi, Assistant Professor / CS and Ms. R. Bhuvaneswari, Assistant Professor / CS have published a book titled "**Computer Graphics**", Emerald Publishers, 2017

**Publications in National Journals :** NIL

**Publications in International Journals: 6**

1. Mohamed Sirajudeen & **Anitha R** 2017, ‘Matrix Based Data Security in Cloud Computing Using Advanced Cramer-Shoup Cryptosystem, Proc. Advances in Intelligent Systems and Computing – Springer, Vol. XX, No. XX, pp. 1- 12.– Accepted SCOPUS, Google Scholar - ISSN: 2194-5357.
2. C Muralidharan & **Anitha R** 2017, ‘Survey on Tasks and Approaches of Sentiment Analysis’, Proc. Advances in Engineering Research – Atlantis Series, Vol. XX, No. XX, pp. 1- 8.– Accepted Indexed - SCI, Google scholar
3. Mohamed Sirajudeen & **Anitha R** 2017, ‘Survey on Homomorphic Encryption’, Proc. Advances in Engineering Research – Atlantis Series, Vol. XX, No. XX, pp. 1- 5. – Accepted Indexed - SCI, Google scholar
4. C Muralidharan & **Anitha R** 2017, ‘Risk Analysis of Cloud Service Providers by Analyzing the Frequency of Occurrence of Problems using Eclat Algorithm’, International Journal of Intelligent Engineering and Systems, Vol. XX, No. XX, pp. 1-10. Accepted (Indexed - SCOPUS, Scimago) ISSN: 2185-3118.
5. **Ms.S.U.Muthunagai**, **R. Anitha,**  **"**An Efficient Hash based data de-duplication approach in large file distributed storage servers**"** in International Journal of Emerging Technology in Computer Science and Electronics (IJETCSE) ISSN:0976-1353, Vol 24 Issue 12, Sep 2017 (Indexed - National Science Library).
6. Chandrakala, S., **Rajeswari, N.** (2017), “Representation learning based speech assistive system for persons with dysarthria”, IEEE Transactions on Neural Systems and Rehabilitation Engineering, 25(9), 1510-1517 **(Annexure 1).**

**B). Papers presented by the faculty members in National and International conferences/** symposiums/workshops**: 2**

1. **V. Rajalakshmi**, Dr. Ganesh Vaidyanathan S, “Efficient Traffic Management using Edmonds Karp Algorithm ”, Springer - 2nd International Conference on Advanced Computing and Intelligent Engineering [ICACIE 2017], 23-25 November 2017 (To be published in Advances in Intelligent Systems and Computing (AISC) series of Springer).
2. **Adimoolam M**, Sugumaran M, Rajesh R S, “The Security Challenges, Issues and Countermeasures in Spatiotemporal Data: A Survey ”, Proceedings of 2 nd IEEE International Conference On Inventive Computation Technologies - ICICT 2017, RVS Technical Campus, Coimbatore, Page no.484-491, 24-25 August 2017.

**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. R. Anitha | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Dr. C. Jayakumar | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Ms. K. S. Gayathri | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Ms. N. Rajeswari | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Ms. T. Padmavathy | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Ms. U. Abirami | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Ms. S. Rajalakshmi | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Ms. J. Buvana | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Ms. S. Poorani | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Ms. S. U. Muthunagai | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Ms. S. K. Umamaheswari | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Mr. K. Kumanan | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Mr. M. P. Lakshmana Kumar | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Ms. R. Senthil Kumar | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Mr. S. Yuvaraj | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Mr. T. Rajasekaran | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Mr. T. Kumaran | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Mr. P. Selvamani | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Mr. B. Praveen Kumar | ISTE sponsored workshop on Google App Engine | Dept of CS, SVCE | 28/07/2017 | 28/07/2017 |
|  | Mr. T. Rajasekaran | TNSCST sponsored state level Two days workshop on “Change your life with IoT-The Revolution of Internet” | SVCE | 10/08/2017 | 11/08/2017 |
|  | Ms. S. K. Umamaheswari | TNSCST sponsored state level Two days workshop on “Change your life with IoT-The Revolution of Internet” | SVCE | 10/08/2017 | 11/08/2017 |
|  | Ms. R. Bhuvaneswari | One day National Level Workshop on Research Methodology | Dept. of EE, SVCE. | 19/08/2017 | 19/08/2017 |
|  | Ms. S. Rajalakshmi | One day National Level Workshop on Research Methodology | Dept. of EE, SVCE. | 19/08/2017 | 19/08/2017 |
|  | Dr. C. Jayakumar | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017 |
|  | Dr. R. Jayabhaduri | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017 |
|  | Dr. P. Janarthanan | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017 |
|  | Ms. K. S. Gayathri | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017 |
|  | Ms. T. Padmavathy | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017200 |
|  | Ms. P. Vinothiyalakshmi | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017 |
|  | Ms. S. Poorani | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017 |
|  | Ms. S. U. Muthunagai | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017 |
|  | Ms. S. K. Umamaheswari | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017 |
|  | Mr. M. P. Lakshmana Kumar | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017 |
|  | Ms. R. Iyswarya | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017 |
|  | Ms. R. Senthil Kumar | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017 |
|  | Mr. S. Yuvaraj | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017 |
|  | Mr. T. Rajasekaran | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017 |
|  | Mr. T. Kumaran | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017 |
|  | Mr. C. S. Sanoj | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017 |
|  | Mr. B. Praveen Kumar | One Day Hands-On Workshop on “Setting a Private Cloud using Open Nebula” | Dept of CS, SVCE | 22/08/2017 | 22/08/2017 |
|  | Dr. R. Jayabhaduri | 4th Machine Learning Research Group Workshop on “Text analysis and Information Extraction & Retrieval (TIER-2017)” | SSNCE | 22/09/2017 | 23/09/2017 |
|  | Ms. S. Rajalakshmi | FDP on Digitalization and its Transformation | CTS, MEPZ | 28/09/2017 | 28/09/2017 |
|  | Ms. S. U. Muthunagai | FDP on Digitalization and its Transformation | CTS, MEPZ | 28/09/2017 | 28/09/2017 |
|  | Ms. S. K. Umamaheswari | FDP on Digitalization and its Transformation | CTS, MEPZ | 28/09/2017 | 28/09/2017 |
|  | Mr. M. P. Lakshmana Kumar | FDP on Digitalization and its Transformation | CTS, MEPZ | 28/09/2017 | 28/09/2017 |
|  | Ms. R. Iyswarya | FDP on Digitalization and its Transformation | CTS, MEPZ | 28/09/2017 | 28/09/2017 |
|  | Dr. R. Anitha | One day workshop on “Online Web Hosting and Development” | Dept of CS, SVCE | 10/10/2017 | 10/10/2017 |
|  | Dr. P. Janarthanan | One day workshop on “Online Web Hosting and Development” | Dept of CS, SVCE | 10/10/2017 | 10/10/2017 |
|  | Dr. S. P. Manikandan | One day workshop on “Online Web Hosting and Development” | Dept of CS, SVCE | 10/10/2017 | 10/10/2017 |
|  | Ms. R. Gayathri | One day workshop on “Online Web Hosting and Development” | Dept of CS, SVCE | 10/10/2017 | 10/10/2017 |
|  | Ms. U. Abirami | One day workshop on “Online Web Hosting and Development” | Dept of CS, SVCE | 10/10/2017 | 10/10/2017 |
|  | Ms. S. Rajalakshmi | One day workshop on “Online Web Hosting and Development” | Dept of CS, SVCE | 10/10/2017 | 10/10/2017 |
|  | Ms. J. Buvana | One day workshop on “Online Web Hosting and Development” | Dept of CS, SVCE | 10/10/2017 | 10/10/2017 |
|  | Mr. A. Sowmyanarayanan | One day workshop on “Online Web Hosting and Development” | Dept of CS, SVCE | 10/10/2017 | 10/10/2017 |
|  | Mr. M. Sureshkumar | One day workshop on “Online Web Hosting and Development” | Dept of CS, SVCE | 10/10/2017 | 10/10/2017 |
|  | Ms. S. K. Umamaheswari | One day workshop on “Online Web Hosting and Development” | Dept of CS, SVCE | 10/10/2017 | 10/10/2017 |
|  | Mr. K. Kumanan | One day workshop on “Online Web Hosting and Development” | Dept of CS, SVCE | 10/10/2017 | 10/10/2017 |
|  | Mr. M. P. Lakshmana Kumar | One day workshop on “Online Web Hosting and Development” | Dept of CS, SVCE | 10/10/2017 | 10/10/2017 |
|  | Mr. C. S. Sanoj | One day workshop on “Online Web Hosting and Development” | Dept of CS, SVCE | 10/10/2017 | 10/10/2017 |
|  | Mr. T. Rajasekaran | One day workshop on “Online Web Hosting and Development” | Dept of CS, SVCE | 10/10/2017 | 10/10/2017 |
|  | Mr. P. Selvamani | One day workshop on “Online Web Hosting and Development” | Dept of CS, SVCE | 10/10/2017 | 10/10/2017 |
|  | Dr. R. Nedunchelian | One day Technical Seminar on “Embedded Software Safety and Security” | LDRA Technology Private Ltd, Bengaluru | 25/10/2017 | 25/10/2017 |
|  | Dr. R. Jayabhaduri | One day Technical Seminar on “Embedded Software Safety and Security” | LDRA Technology Private Ltd, Bengaluru | 25/10/2017 | 25/10/2017 |
|  | Mr. C. S. Sanoj | Short-term course on "Introduction to Cryptography" | NIT, Trichy. | 01/11/2017 | 05/11/2017 |
|  | Ms. T. Padmavathy | One-Week Short Term Course on Introduction to Algorithm | NIT Trichy | 07/11/2017 | 11/11/2017 |
|  | Dr. R. Anitha | AICTE Sponsored Two-Day National Seminar on Deep Learning for Big Data Analytics | Dept of IT, SVCE | 09/11/2017 | 10/11/2017 |
|  | Dr. R. Nedunchelian | AICTE Sponsored Two-Day National Seminar on Deep Learning for Big Data Analytics | Dept of IT, SVCE | 09/11/2017 | 10/11/2017 |
|  | Dr. R. Jayabhaduri | AICTE Sponsored Two-Day National Seminar on Deep Learning for Big Data Analytics | Dept of IT, SVCE | 09/11/2017 | 10/11/2017 |
|  | Ms. K. S. Gayathri | AICTE Sponsored Two-Day National Seminar on Deep Learning for Big Data Analytics | Dept of IT, SVCE | 09/11/2017 | 10/11/2017 |
|  | Ms. G. Janakasudha | AICTE Sponsored Two-Day National Seminar on Deep Learning for Big Data Analytics | Dept of IT, SVCE | 09/11/2017 | 10/11/2017 |
|  | Ms. R. Bhuvaneswari | AICTE Sponsored Two-Day National Seminar on Deep Learning for Big Data Analytics | Dept of IT, SVCE | 09/11/2017 | 10/11/2017 |
|  | Ms. S. Rajalakshmi | AICTE Sponsored Two-Day National Seminar on Deep Learning for Big Data Analytics | Dept of IT, SVCE | 09/11/2017 | 10/11/2017 |
|  | Ms. R. Iyswarya | AICTE Sponsored Two-Day National Seminar on Deep Learning for Big Data Analytics | Dept of IT, SVCE | 09/11/2017 | 10/11/2017 |
|  | Dr. R. Jayabhaduri | Two weeks AICTE sponsored Faculty Development Programme on “Deep Learning for Image and Text Analysis” | SSNCE | 13/11/2017 | 25/11/2017 |
|  | Dr N M Balamurugan | Ten days GIAN course on Smart TAP IOT enabled water quality and testing | NIT, WARANGAL | 20/11/2017 | 29/11/2017 |
|  | Ms. R. Bhuvaneswari | Workshop on Persuasive Research Promotion Strategies | Kings Engineering College | 25/11/2017 | 25/11/2017 |
|  | Ms. S. Rajalakshmi | Workshop on Persuasive Research Promotion Strategies | Kings Engineering College | 25/11/2017 | 25/11/2017 |
|  | Dr. P. Janarthanan | FDP on Data Analytics using Python | RMK Engineering College | 04/12/2017 | 08/12/2017 |
|  | Ms. E. Rajalakshmi | Webinar on Predictive Analysis Failure to Launch | - | 13/12/2017 | 13/12/2017 |

**2) Departmental research activities:**

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

**Symposium organized:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No. | Name of the Faculty | Name of Symposium | National / international | Sponsoring Agency | Period |
| From | To |
| 1 | Mr. K. SrinivasanMs. E. RajalakshmiMr. B. Praveen Kumar | Interrupt ‘17 | National | SVCE | 25th Sep 2017 | - |
|  |  |  |  |  |  |  |

**Conferences, Workshops and Guest lecture Conducted:**

|  |  |  |
| --- | --- | --- |
| **Year** | **Number of Conferences, Workshops and Guest lecture Conducted** | **Details** |
| **2017-2018** | Conferences – NilWorkshops- 6Training Courses - Nil Seminars – 8 | **Workshops:**1. Dr. P. Janarthanan, Mr. K. Srinivasan, Mr. C. S. Sanoj organized a one day workshop titled “Google App Engine” on 28/07/2017.
2. Dr. R. Anitha, Ms U. Abirami, Ms. J. Buvana and Mr. J. Senthil Kumar (Instructor) together organized a one day hands-on workshop on ‘Setting up a Private Cloud using Open Nebula’ on 22/08/2017.
3. Mr. K. Srinivasan, Ms. E. Rajalakshmi organized “Inheritance Hack” on 26/08/2017 and 27/08/2017 sponsored by “iGEM-SVCE”.
4. A Workshop Dr. R. Anitha, Ms S. Rajalakshmi on “Web Development” by Computer Science and Engineering students to inter college students was organized by Association of Computer Engineers on 25th September, 2017.
5. Ms. S. Poorani, Ms.S.U.Muthunagai and Ms. R. Iyswarya organized one-day Hands-on Workshop titled “Online Web Hosting and Development” on 10/10/2017. Around 56 participants attended the event.
6. Dr. R. Anitha, Ms N. Rajeswari, Ms. T. Padmavathy, Mr. B. Praveen Kumar organized a “Three Days Hands-on -Workshop on MS-Word For School Children” from 11/12/2017 to 13/12/2017.

**Seminars/Guest Lectures:**1. A technical lecture on “Data Analytics and Machine Learning” was organized by Ms. D. Sasikala and Ms. S.Senthamizhselvi on 24/08/2017. (Mr. Ravi Venkatesan, Manager-Data Management, DXC Technology Ltd and Mr.Venkatesh Ramanathan Advisor-Solution Architect, DXC Technology Ltd delivered the talk).
2. Mr. AravindaRajah Rajagopal, Founder of Varsa Infotech and Mr.Amith Sethia, Team Member, Varsa Infotech delivered a lecture on “Data Analytics” on 25/07/2017.
3. A lecture on Design of Smart Systems using Cloud based IoT Technologies was delivered by Mr.Srinivasan Thanukrishnan, Founder & CEO, Glosys Technology Sotions Private Limited on 20/07/17.
4. A technical talk was delivered on "Big data and Advanced Analytics" by Dr. B. Muthukumaran, GM and Practice Head, Big Data Research, ITMR on 26th July 2017.
5. A Guest Lecture on "Self-Healing Applications and System Design" by Mr.S.Avudaiyappan, Director-Projects, Cognizant Technology Solutions was Organized by Association of Computer Engineers on 25th September, 2017.
6. A Guest Lecture on "Cyber Crime" by Mrs. P C Thenmozhi, IPS, DIG Kanchipuram Range was Organized by Association of Computer Engineers on 25th September, 2017.
7. A Guest Lecture on "VR/AR ECO SYSTEM" was conducted by Association of Computer Engineers & Department of Information Technology 10th October, 2017. Ms. Sheetal Choraria, Business Development Manager, Department of Computing, Mages Institute of Excellence, Singapore delivered the lecture.
8. A Special Talk on "Research Careers" by Dr. Karthik Pattabiraman, Associate professor, Univ. of British, Columbia, Canada was organised by Association of Computer Engineers & Association of Information Technologists on 31st August, 2017.
 |

**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 20.97 lakhs** | 3 years | Approved(16th Aug 2016) |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Academic Year** | **Name of the Student** | **Name of the guide** | **Project Title** | **Sanctioned Amount** | **Duration** | **Status** |
| 2017-2018 (PG) | Ms. Hemalatha. A.B (ME CSE) | Ms R GayathriAssistant Professor, Department of Computer Science and Engineering | QOS assured and energy efficient load balancing routing algorithm for Wireless Video Delivery | INR 9000 |  6 months | Approved |
| 2017-2018 (UG) | - |  |  |  |  |  |

 **Project proposals submitted for intramural funding at SVCE:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Academic Year** | **Name of the Student** | **Name of the guide** | **Project Title** |
| 2017-2018 (PG) | Ms. Hemalatha. A.B (ME CSE) | Ms R Gayathri Assistant Professor, Department of Computer Science and Engineering | QOS assured and energy efficient load balancing routing algorithm for Wireless Video Delivery |
| 2017-2018 (PG) | Ms. A. G. Ashmitha (ME CSE) | Dr. R. AnithaProf. and Head,Department of Computer Science and Engineering | Data de-duplication on encrypted datalake in cloud storage environment |
| 2017-2018 (PG) | Ms. R. Rajyashree (ME CSE) | Dr. N. M. BalamuruganAssistant Professor, Department of Computer Science and Engineering | Routing for power controlled and mobility constraint ad hoc networks. |

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

1. Dr. R. Anitha (PI), Professor and Head, Department of CSE 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.(36 lakhs)
2. Dr. R. Anitha (PI),Professor and Head, Department of CSE submitted a proposal titled "ARMCLOUD: An optimal framework for provisioning of armaments using Arm as a Service for Emergency Management" to DRDO, Mar 2017. (19 lakhs)
3. **Dr. R. Anitha (PI),** Professor and Head, Department of CSE submitted a proposal titled “Developing a Language Translation Engine for Book Conversion from Foreign to Native Language in the Field of Science & Technology based on Cloud Virtual Dictionary Using Deep Neural Network” to **AICTE for INR 19 lakhs and 2 years duration.**

**3) Student Research Activities:**

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

**ME (CSE) - II YEAR - PROJECT WORK - PHASE I (2017-2018 odd sem)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SNo** | **Reg.No** | **Name of the student** | **Name of the Guide** | **Title of the Project** | **Inhouse/****External** |
| 1 | 160511001 | A.G.Ashmita | Dr.R.Anitha | Data de duplication on encrypted data lake in cloud environment | Inhouse |
|  | 160511002 | A.B.Hemalatha | Ms.R.Gayathri | QoS assured and energy efficient load balancing routing algorithm for wireless video delivery | Inhouse |
|  | 160511003 | P.Kalai Selvi | Ms.K.S.Gayathri | Multi occupant’s activity recognition and tracking in smart home | Inhouse |
|  | 160511004 | K.Sree Laasya | Ms.R.Bhuvaneswari | Supervised palm print recognition for personal identification using convolution neural networks | Inhouse |
|  | 160511005 | S.Princy | Dr.R.Nedunchelian | A Secure authentication for transaction processing using face and speech | Inhouse |
|  | 160511006 | R.Rajyashree | Dr.N.M.Balamurugan | Routing for power controlled and mobility constraint Ad hoc networks | Inhouse |
|  | 160511007 | S.V Suriyaprasad | Mr.K.Kumanan | Homographic Encryption using Enhanced BGV Encryption Scheme for Cloud Security | Inhouse |

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

**National Journal: Nil**

**International Journal: Nil**

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

**Papers presented in Conference by students:**

1. **Nitin Simon (VII sem ‘B’ batch)** presented a paper titled “Detection of Fake Followers using Feature Ratio in Self-Organizing maps” in IEEE International Conference on Ubiquitous Intelligence and Computing (UIC 2017) - SmartWorld 2017 conference at DoubleTree by Hilton Hotel Newark - Fremont, California, USA, 4-8 Aug 2017.

**Papers presented in Symposium by students: Nil**

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

 I) Sponsorship for faculty members:

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

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

C) Faculty sponsored for attending International Conferences/ symposiums/ workshops:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.No | Faculty Name | **FDP**/**Workshop**~~/Seminar~~ | Organized by | Duration | Amount |
|  | Dr N M Balamurugan | Ten days GIAN course on Smart TAP IOT enabled water quality and testing | NIT, WARANGAL | 20/11/2017To 29/11/2017 | **INR. 3000** |

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

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

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