

Research details of Departments

Department of Computer Science and Engineering Research activity report - (Jan 2018- June 2018)

20/07/2018

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 : 11 (SVCE, AU) + 5 (External)
Number of supervisors: 6
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	Information and Communication Engineering, Anna University
2	Dr. Nedunchelian R	2940021	Information and Communication Engineering, Anna University
3	Dr. Gnanasekar J M	2740133	Information and Communication Engineering, Anna University
4	Dr. C. Jayakumar	8740113	Information and Communication Engineering, Anna University
5	Dr. Manikandan S P	2940033	Information and Communication Engineering, Anna University
6	Dr. K. S. Gayathri	3140059	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	28 th Oct 2014
2	Dr. Nedunchelian R	Comparative Analysis of automatic text summarization techniques	Bharath University	July 2014

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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	9 th 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	6 th Sep 2016
8	Dr. N.M. Balamurugan	Routing and direction of arrival tracking in mobile adhoc network	Anna University	10 th April 2017
9	Dr. K. S. Gayathri	Activity Recognition in smart home	Anna University	22th Feb 2018

Faculty awarded PhD (2017-2018):

SL.NO	NAME OF THE FACULTY	Thesis Title	University	YEAR OF Completion
1	K. S. Gayathri	Activity Recognition in smart home	Anna University	22th Feb 2018

PhD holder from CSE Research Centre (2017-2018) : 3

S.NO	NAME OF THE SCHOLAR	Supervisor	Thesis Title	FT/PT	Research Centre	YEAR OF Completion
1.	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)	20 th Sep 2017
2.	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)	10 th Nov 2017

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3.	Dr. Mohammed Thaha. M	Dr. C. Jayakumar	Improve the Learning Outcome of E-learners using Self Intelligent Learning Style Classifier	FT	CSE, SVCE (Anna University)	19 th April 2018
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PhD Guided by Faculty while working in SVCE (Other University scholars) 2017-2018 : 5

S.No	Name of the Scholar	Supervisor	Thesis Title	University	Year of Completion
1.	Dr. Akila D	Dr. C. Jayakumar	Effective Information Retrieval Through the Enhancement of Evolving Semantic Relationships of WrordNet	Bharathiar University	21/03/2017
2.	Dr. T. Veeramani (161103008)	Dr. R. Nedunchelian	A metaheuristic approach wrapper generation for WEB data alignment and annotation from WEB databases	Saveetha University	30/08/2017
3.	Dr. BalajeeMaram K (PHD-CB-JUL2011-0385)	Dr. Gnanasekar J M	Enhanced Data Security Model using dynamic key-dependent S-box parameters	Bharathiar University	22/12/2017
4.	Dr. R. Kavitha	Dr. R. Nedunchelian	Domain specific search engine optimisation in health care cloud data using various techniques	Saveetha University	25/01/2018
5.	Dr. K. Malathy	Dr. R. Nedunchelian	An efficient technique to detect and classify diabetic retinopathy in fundus images	Saveetha University	7/02/2018

Research Fellowship:

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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

Research scholars in the CSE department research centre: 26

S.No	Name of the Scholar	Designation/Dept	Supervisor	FT/PT	Year of Joining
1.	Mohamed Sirajudeen Y	NA	Dr.R. Anitha	FT	1614499338/2016-JAN
2.	Muralidharan C	NA	Dr.R. Anitha	FT	1613499339/2016-JAN
3.	Vinothiyalakshmi P	AP,CSE,SVCE	Dr.R. Anitha	PT	1624499230/2016-JAN
4.	Padmavathy T	AP,CSE,SVCE	Dr.R. Anitha	PT	1624499254/2016-JAN
5.	S. Senthamizh Selvi	AP,CSE,SVCE	Dr.R. Anitha	PT	16234997404/2016-JUN
6.	S. U. Muthunagai	AP,CSE,SVCE	Dr.R. Anitha	PT	16244997405/2016-JUN
7.	N. Uma	AP, IT,SVCE	Dr.R.Anitha	PT	17244991463/JAN-2017
8.	Annamalai.R	NA	Dr. Nedunchelian R	PT	17144997681/July-2017
9.	Muthuvel. S	NA	Dr. Nedunchelian R	PT	17144997682/July-2017
10.	Dhinakaran K	NA	Dr. Nedunchelian R	PT	18124991487/Jan 2018
11.	Muthukumaran S	NA	Dr. Nedunchelian R	PT	18144991493/Jan 2018
12.	Prabhakaran N	NA	Dr. Nedunchelian R	PT	18144991592/Jan 2018
13.	Kalavathi S	AP, IT, SVCE	Dr. Nedunchelian R	PT	18254991508/Jan 2018
14.	N. Rajeswari	AP,CSE,SVCE	Dr. Nedunchelian R (Joint Supervisor) Dr.S.Chandrakala (Supervisor)	PT	1225499753 /July 2012 (Confirmation Completed) – 2018

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15.	Jayalakshmi S L	NA	Dr. Nedunchelian R (Joint Supervisor), Dr.S.Chandrakala (Supervisor)	PT	1324499193/2013 (Confirmation Completed) – 2018
16.	Muralikrishnan R	NA	Dr. Gnanasekar J M	PT	17194991157/Jan 2017
17.	Tamilvanan S	NA	Dr. Gnanasekar J M	PT	17134997654/July-2017
18.	Mr. Prabu S	NA	Dr. Gnanasekar J M	PT	18144991415/Jan 2018
19.	T.P.Rani	NA	Dr. C. Jayakumar	PT	JAN 2011/2011114083
20.	Arthi.A	NA	Dr. C. Jayakumar	PT	JAN 2011/2011114125
21.	Jeyaselvi M	NA	Dr. C. Jayakumar	PT	JULY 2011/2011174044
22.	V. Sathiyavathy	NA	Dr. C. Jayakumar	PT	1024799724/July 2010
23.	N. Mythili	NA	Dr. C. Jayakumar	PT	1024499752/July 2010
24.	Siva Sankari S	NA	Dr. C. Jayakumar	PT	17244991424/Jan 2017
25.	Gangadevi G	NA	Dr. C. Jayakumar	PT	17234997618/July-2017
26.	Paruthi Ilam Vazhuthi P	NA	Dr. Manikandan S P	PT	18124991359/Jan 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

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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.Bhuvanewari	AP,CSE	Dr.S.Ganesh Vaidhyathan	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
1.	Ms.G.Janakasudha	AP,CSE,SVCE	Dr.P.Jayashree	PT	Department of CS, MIT	Jan-15
2.	Mr. Kumaran T	AP,CSE,SVCE	Dr.Lakshmana Pandian	PT	Department of CSE, Pondicherry Engineering College	01/03/2015
3.	Mr. T. Rajasekaran	AP,CSE,SVCE	Dr. Sumathy Eswaran	PT	Department of CSE, Dr. M. G.R Educational and Research Institute.	Feb-14
4.	Mr. M. Adimoolam	AP,CSE,SVCE	Dr. M. Sugumaran	PT	Department of CSE, Pondicherry Engineering College	Oct 2013
5.	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 Appreciation:

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Dr. K. S. Gayathri Associate Prof/CS, Dr. K.S. Easwarakumar, Susan Elias have been appreciated by College of Engineering, Guindy Campus under **Wenlock Endowment Scholarship for the year 2016-2017**, for the **high impact research publication** titled - “Probabilistic ontology based activity recognition in smart homes using Markov Logic Network” in Journal Knowledge-Based Systems, vol 121, pp. 173-184, 2017, (Impact Factor: 4.529).

Publications in National Journals : NIL

Publications in International Journals: 22

1. A. G. Ashmita, **R. Anitha**, “Data De-Duplication on Encrypted Data Lake in Cloud Environment”, International Journal of Engineering Research and Technology (IJERT), ISSN: 2278-0181, Vol 7, Issue 03, March 2018.
2. Hemalatha. A.B and **Gayathri. R** (2018), “Efficient Load Balancing for Multimedia Transmission”, International Journal of Engineering and Techniques, Vol. 4, No. 2, pp. 464-466.
3. Kalaiselvi. P and **K. S. Gayathri** (2018), “MOART: Multiple Occupants Activity Recognition and Tracking in Smart Home”, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 7, No. 3, pp.21-25.
4. Rajyashree. R and **Balamurugan. N.M** (2018), “Mobility Management in Power Controlled and Rate Adaptive Adhoc Networks”, International Journal of Engineering Research & Technology (IJERT), Vol. 7, No. 3, pp. 311-314.
5. Suriyaprasad. S.V and **Kumanan. K** (2018), “Homomorphic Encryption using Enhanced BGV Encryption scheme for cloud security”, International Journal of Engineering and Computer Science, Vol. 7, No. 3, pp. 23785-23789.
6. Ramesh Kumar, Dr. K. Arulanandam, **Dr. P. Janarthanan**, “Knowledge Mining Based on User Request and User Preferences”, International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), vol 5, Special Issue 4, ISSN 2394-3777, Feb 2018.
7. S. Akshaya, V. Deepaprem, K. Gopi, **Dr.R.Nedunchelian**, “Agriculture monitoring and crop detection system”, International journal of trendy research in Engineering and Technology-Vol: 1 Issue Sept-2017.
8. R. Rajyashree, M. Vaishnavi, **Dr.R.Nedunchelian**, “Database using multi-factor Authentication”, International journal of trendy research in Engineering and Technology-Vol: 1 Issue Aug-2017.

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9. V.M. Gayathri, **Dr.R.Nedunchelian**, “DKGM-Device Key Generation Algorithm to improvise security measures by maintaining the reliability threshold in device to device communication”, International Journal of Pure and Applied Mathematics, Vol: 117, No.15,2017, P.No:1095-1102 IF: 0.37.
10. V.M. Gayathri, **Dr.R.Nedunchelian**, “Eradication of vulnerable host from N2N communication Networks using probabilistic models on historical data”, International Journal of Pure and Applied Mathematics, Vol: 117, No.15,2017, P.No:1087-1094 IF: 0.37.
11. K. Malathi, **Dr.R.Nedunchelian**, “Efficient method to detect and classify diabetic retinopathy using retinal fundus images”, International Journal of Pure and Applied Mathematics, Vol: 116 No.21,2017, P.No: 89-97 IF: 0.37.
12. R. Kavitha, **Dr.R.Nedunchelian**, “Domain-specific search engine optimization using healthcare ontology and a neural network back-propagation approach”, Research Journal of Biotechnology, Volume (Special issue-ii, Aug-2017) IF: 0.29.
13. K. Malathi, **Dr.R.Nedunchelian**, “A Recursive support vector machine(RSVM) algorithm to detect and classify diabetic retinopathy in fundus retina images”, Biomedical Research 2017-Special issue: IF: 0.219.
14. V.M. Gayathri, **Dr.R.Nedunchelian**, “Mitigating combinatorial attacks in node to node communication using high level security measures based on analysis of efficiency factor through regression and deviation”, Cluster Computing, Springer, Feb 2018.
15. T.P.Rani, **C. Jayakumar**, “Unique Identity and localization based replica node detection in hierarchical wireless sensor networks”, Computers and Electrical Engineering, Elsevier Vol.64, pp.148-162. (Annexure-1)
16. Nithya, Muthukumaran, **C. Jayakumar**, “FlowAgent: Software Defined Firewall Rule Generator for Network Intrusion Detection System”, International Journal of Intelligent Engineering and Systems, Vol.10, No.3. (Scopus Index)
17. **Gnanasekar J.M**, Natarajan C, “Anomaly Detection System For Healthcare Resource Usage in Machine Learning”, International Journal of Computers & Distributed Systems, Vol 5, Issue 1 pp - 138-143.
18. Rajesh M, **Gnanasekar, J.M**, “Congestion Control Scheme for Heterogeneous Wireless Ad Hoc Networks Using Self-Adjust Hybrid Model”, International Journal of Pure and Applied Mathematics, Vol. 116, pp537-547. (Scopus Indexed).

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19. P. Priyadharshini, **R. Jayabhaduri**, “Object Detection Based on Background Substraction and Dynamic Texture Scenes”, International Journal of Scientific Engineering and Technology Research, vol 5, Issue 15, June 2016. pp. 2912-2915. ISSN: 2319-8885.
20. **Adimoolam M**, Sugumaran M, Rajesh S R, “A Novel Efficient Clustering and Secure Data Transmission Model for Spatiotemporal Data in WSN”, International Journal of Pure and Applied Mathematics, vol 118, no. 8, pp. 117-125, 2018. (Scopus indexed, Normalized Impact per Paper (SNIP): 0.635, 2014) ISSN: 1314-3395.
21. V. Muruges, V. Sivakumar, **P. Janarthanan**, “An Ingenious Segmentation Application for brain Lesion Detection in Multimodal MR Images”, JCSE International Journal of Computer Science and Engineering”, E-ISSN: 2347-2693, Vol 6, Issue 6, June 2018.
22. Supraja S, **Poorani S**, “Tracking And Predicting Student Performance In Graduation Program Using Time Series Forecasting”, International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) Vol. 5, Special Issue 11, April 2018.

B). Papers presented by the faculty members in National and International conferences/ symposiums/ workshops: 9

1. Sreelaasya. K and **Bhuvanewari. R** (2018), “Supervised Palm Print Recognition for Personal Identification using Convolution Neural Network”, In the proceeding of 6th International Conference on Contemporary Engineering and Technology – 2018, pp. 80.
2. Princy. S and **Nedunchelian. R** (2018), “ A Secure Authentication for Transaction Process using Face and Speech”, In the proceeding of 6th International Conference on Contemporary Engineering and Technology – 2018, pp. 81.
3. G. Ramesh Kumar, Dr. K. Arulanandam, **Dr. P. Janarthanan**, “Knowledge Mining Based on User Request and User Preferences”, **National Conference** on Recent Trends in Computer Science, Applications and Engineering (NCRCTCAE-18), ISBN: 978-81-922142-6-9, Feb 2018.
4. Mohamed Sirajudeen & **Anitha R** 2017, “Matrix Based Data Security in Cloud Computing Using Advanced Cramer-Shoup Cryptosystem”, **Proc. Advances in Intelligent Systems and Computing**, International conference on Emerging Technologies in Data Mining and Information Technology (IEMIS2018), Kolkata. 23-25 Feb. 2018
5. C Muralidharan & **Anitha R** 2017, ‘Survey on Tasks and Approaches of Sentiment Analysis’, **Proc. Advances in Engineering Research – Atlantis Series**, International Conference for Phoenixes on Emerging Current Trends in Engineering and Management (PECTEAM) , 2018.
6. Mohamed Sirajudeen & **Anitha R** 2017, ‘Survey on Homomorphic Encryption’, **Proc. Advances in Engineering Research – Atlantis Series**, International Conference for Phoenixes on Emerging Current Trends in Engineering and Management

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(PECTEAM) , 2018.

7. C Muralidharan & **Anitha R** 2017, 'Risk Analysis of Cloud Service Providers by Analyzing the Frequency of Occurrence of Problems using Eclat Algorithm', International Conference on Big Data and Cloud Computing Challenges (ISBCC-2017), VIT Chennai, March 9,10 - 2017. Proceeding in **European Alliance for Innovation(EAI)** .
8. **K. S. Gayathri**, Susan Elias, K.S. Easwarakumar, "Assistive dementia care system through smart home', Smart Innovation, Systems and Technologies, Springer", vol. 79, pp. 455 – 467, 2018. **(Annexure 2)**
9. **Gayathri K S**, Easwarakumar K S, Susan Elias, "Contextual Pattern Clustering for Ontology Based Activity Recognition in Smart Home", Communications in Computer and Information Science, Springer, vol. 808, pp. 209 – 223, 2018. **(Annexure 2)**

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

Workshops/Seminars Attended (Faculty):

S.No	Name of the Faculty member	Programme Details	Place	Date	
				From	To
1.	R.lyswarya	Deep Learning : Text Analysis and Image Processing	SVCE	08/03/2018	09/03/2018
2.	D.Sasikala	Deep Learning : Text Analysis and Image Processing	SVCE	08/03/2018	09/03/2018
3.	A.SowmyaNarayanan	Deep Learning : Text Analysis and Image Processing	SVCE	08/03/2018	09/03/2018
4.	S.U.Muthunagai	Deep Learning : Text Analysis and Image Processing	SVCE	08/03/2018	09/03/2018
5.	S.U.Muthunagai	Essentials of Applied Machine Learning	SVCE	27/03/2018	27/03/2018
6.	R.Bhuvaneshwari	Deep Learning : Text Analysis and Image Processing	SVCE	08/03/2018	09/03/2018
7.	S.Rajalakshmi	Deep Learning : Text Analysis and Image Processing	SVCE	08/03/2018	09/03/2018
8.	U.Abirami	Deep Learning : Text Analysis and Image Processing	SVCE	08/03/2018	09/03/2018

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9.	J.Buvana	Deep Learning : Text Analysis and Image Processing	SVCE	08/03/2018	09/03/2018
10.	S.SentamizhSelvi	Deep Learning : Text Analysis and Image Processing	SVCE	08/03/2018	09/03/2018
11.	S.SentamizhSelvi	Essentials of Applied Machine Learning	SVCE	27/03/2018	27/03/2018
12.	S.Poorani	Deep Learning : Text Analysis and Image Processing	SVCE	08/03/2018	09/03/2018
13.	S.Poorani	Essentials of Applied Machine Learning	SVCE	27/03/2018	27/03/2018
14.	Dr.N.M.Balamurugan	One Day Workshop on “ Developing RYU SDN Applications”	SVCE	09/02/2018	09/02/2018
15.	Dr.S.P.Manikandan	One Day Workshop on “ Developing RYU SDN Applications”	SVCE	09/02/2018	09/02/2018
16.	N.Revathi	One Day Workshop on “ Developing RYU SDN Applications”	SVCE	09/02/2018	09/02/2018
17.	N.Rajeswari	One Day Workshop on “ Developing RYU SDN Applications”	SVCE	09/02/2018	09/02/2018
18.	T.Padmavathy	One Day Workshop on “ Developing RYU SDN Applications”	SVCE	09/02/2018	09/02/2018
19.	U.Abirami	One Day Workshop on “ Developing RYU SDN Applications”	SVCE	09/02/2018	09/02/2018
20.	S.Rajalakshmi	One Day Workshop on “ Developing RYU SDN Applications”	SVCE	09/02/2018	09/02/2018
21.	J.Buvana	One Day Workshop on “ Developing RYU SDN Applications”	SVCE	09/02/2018	09/02/2018
22.	A.sowmya Narayanan	One Day Workshop on “ Developing RYU SDN Applications”	SVCE	09/02/2018	09/02/2018
23.	S.Poorani	One Day Workshop on “ Developing RYU SDN Applications”	SVCE	09/02/2018	09/02/2018
24.	S.U.muthunagai	One Day Workshop on “ Developing RYU SDN Applications”	SVCE	09/02/2018	09/02/2018
25.	SureshKumar	One Day Workshop on “ Developing RYU SDN Applications”	SVCE	09/02/2018	09/02/2018
26.	Senthil Kumar	One Day Workshop on “ Developing RYU SDN Applications”	SVCE	09/02/2018	09/02/2018

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27.	C.S.Sanoj	One Day Workshop on “ Developing RYU SDN Applications”	SVCE	09/02/2018	09/02/2018
28.	Dr. R.Jayabhaduri	Five days training programme on “Wind Turbine Controllers”	Vels Wind Power, Aralvaimozhi	14/05/2018	18/05/2018

2) Departmental research activities:

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

Symposium organized (Jan 2018-June 2018): Nil

Conferences, Workshops and Guest lecture Conducted:

Year	Number of Conferences, Workshops and Guest lecture Conducted	Details
Jan 2018 – June 2018	Conferences – Nil Workshops- 4 Training Courses/FDP - Nil	<p>Workshops:</p> <ol style="list-style-type: none"> 1. Dr.R.Anitha , Ms.N.Rajeswari, Ms.T.Padmavathy organized a one day workshop on “Developing RYU SDN Applications” on 09/02/2018. 2. Dr. R. Anitha, Ms. S. Rajalakshmi, Ms U. Abirami and Ms. J. Buvana organized a one Day Workshop on “Compiler Design” on 22/03/2018. 3. Dr. R. Nedunchelian, Ms. V.Rajalakshmi, Dr.R.Jayabhaduri organized a two days workshop on “Deep Learning : Text Analysis and Image Processing” on 08/03/2018 and 09/03/2018. 4. Dr. K.S. Gayathri, Workshop on “Essentials of Applied Machine Learning” on 27/03/2018.

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	SERB- DST	INR 20.97 lakhs	3 years	Ongoing (Approved -

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		Federated DigiCloud Environment using Homomorphic Technique.				16th Aug 2016)
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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 Gayathri Assistant Professor, Department of Computer Science and Engineering	QOS assured and energy efficient load balancing routing algorithm for Wireless Video Delivery	INR 9000	6 months	Completed
2017-2018 (UG)	Jayashree. A, Karthika. M., Krishna Swetha. K	Ms S. Senthamizh Selvi, Assistant Professor, Department of Computer Science and Engineering	Secure Health care system (S-HCS) Using body sensor network	INR 10000	6 Months	Completed

c). Projects submitted to Funding Agencies by the Department (Jan 2018 – June 2018):

1. **Dr. N. M. Balamurugan (PI), R. Gayathri (Co-PI), M. Adimoolam (Co-PI)**, Department of CSE submitted a proposal titled “DOA Tracking for seamless connection in beamformed MANET” to **DST-SERB (EMR/2017/005476) in Aug 2017 for INR 53.36 lakhs.**
2. **Dr. C. Jayakumar (PI), Dr. R. Jayabhaduri (Co-PI)** Department of CSE submitted a proposal titled “Design of artificial intelligence based short term load forecasting model for electricity providing companies with novel clustering hybrid feature selection techniques” to Central Power Research Institute (CPRI), Bangalore under Research Scheme on Power (RSOP) for INR 25 lakhs, May 2018.

3) Student Research Activities:

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

Batch : 2014 – 2018 (Regulation 2013)

CS6811 - PROJECT WORK

S. No	Batch No	Class & Section	Roll No	Univ Reg No	Name of the Student	Place of work
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1	1	IV CS A	2	212714104002	AARTHI R	Inhouse
2		IV CS A	7	212714104007	ADITI BALAJI	Inhouse
3	2	IV CS A	3	212714104003	AARTHI S	Inhouse
4		IV CS A	31	212714104031	CHARU NETHRA GIRI	Inhouse
5		IV CS A	58	212714104058	INDHUMATHI R	Inhouse
6	3	IV CS A	6	212714104006	ADITHI LAKSHANA S	Inhouse
7		IV CS A	25	212714104025	BALAJI R	Inhouse
8		IV CS A	305	212714104305	DHILIP KISHAN R	Inhouse
9	4	IV CS A	9	212714104009	AFRISH K	Inhouse
10		IV CS A	13	212714104013	AKHASH M	Inhouse
11		IV CS A	38	212714104038	DHANUSH KUMAR S	Inhouse
12	5	IV CS A	10	212714104010	AISHWIN RAJ S	Inhouse
13		IV CS A	34	212714104034	DEEPAK M	Inhouse
14	6	IV CS A	11	212714104011	AJITHRAJA B	Inhouse
15		IV CS A	41	212714104041	EESWAR BATCHU	Inhouse
16		IV CS C	164	212714104164	TANDRA SOHITH CHANDRA NAIDU	Inhouse
17	7	IV CS A	12	212714104012	AKASH I	Inhouse
18		IV CS A	60	212714104060	JACKSON RENALD P	Inhouse
19		IV CS B	84	212714104084	LAVANYA M	Inhouse
20	8	IV CS A	17	212714104017	AKSHAY R NAIDU	Inhouse
21		IV CS A	29	212714104029	BITRA NAVYA	Inhouse
22	9	IV CS A	18	212714104018	ARUN S K	Inhouse
23		IV CS A	44	212714104044	FAZIL KHAN F	Inhouse

Research details of Departments

24	10	IV CS A	39	212714104039	DINESH KUMAR R	Inhouse
25		IV CS A	43	212714104043	ELANGO P	Inhouse
26	11	IV CS A	19	212714104019	ARVIN K	Inhouse
27		IV CS A	54	212714104054	GUNASEKARAN G	Inhouse
28	12	IV CS A	20	212714104020	ARVIND P G	Inhouse
29		IV CS A	48	212714104048	GAUTEM C V	Inhouse
30		IV CS A	304	212714104304	DEEPIKA S	Inhouse
31	13	IV CS A	36	212714104036	DHANALAKSHMI B	Inhouse
32		IV CS A	37	212714104037	DHANALAKSHMI R	Inhouse
33		IV CS A	50	212714104050	GAYATHRI B	Inhouse
34	14	IV CS A	24	212714104024	BALACHANDAR K	Inhouse
35		IV CS A	57	212714104057	HARISHEKHER C	Inhouse
36		IV CS B	105	212714104105	PRASHANTH B	Inhouse
37	15	IV CS A	27	212714104027	BERNARD JOSEPH KANISH	Inhouse
38		IV CS A	47	212714104047	GANESH ADITHYA V	Inhouse
39		IV CS A	59	212714104059	ISHWAR BHARATHI T G	Inhouse
40	16	IV CS A	28	212714104028	BHARAT GOEL	Inhouse
41		IV CS A	40	212714104040	DIPIKA RAJESH	Inhouse
42		IV CS B	98	212714104098	NITIN T SIMON	Inhouse
43	17	IV CS A	22	212714104022	ASHARINI R	Inhouse
44		IV CS A	35	212714104035	DEEPIKA T	Inhouse
45	18	IV CS A	53	212714104053	GOVARTHANAN P	Inhouse
46		IV CS A	301	212714104301	ASIF G	Inhouse
47		IV CS A	302	212714104302	BALAJI D Y	Inhouse

Research details of Departments

48	19	IV CS A	303	212714104303	BALAJI Y	Inhouse
49		IV CS B	309	212714104309	MADHU KRISHNA M	Inhouse
50		IV CS C	314	212714104314	PUNYA KEERTHI C V	Inhouse
51	20	IV CS B	62	212714104062	JAYANTH NARAYAN K V	Inhouse
52		IV CS B	107	212714104107	PRAVEEN R T P	Inhouse
53	23	IV CS B	67	212714104067	KAMESH D	Inhouse
54		IV CS B	80	212714104080	KRISHNA KUMAR S	Inhouse
55		IV CS B	118	212714104118	RAAKESH M	Inhouse
56	24	IV CS B	68	212714104068	KANISGAR PRABU RK	Inhouse
57		IV CS B	70	212714104070	KARTHIC EASWAR S	Inhouse
58		IV CS B	73	212714104073	KARTHIKRAJ S	Inhouse
59	25	IV CS B	69	212714104069	KARISHMAA N R	Inhouse
60		IV CS B	101	212714104101	PAVITHRA M	Inhouse
61		IV CS B	112	212714104112	PRIYAASHRI S M	Inhouse
62	26	IV CS B	71	212714104071	KARTHICK RAJA E	Inhouse
63		IV CS B	104	212714104104	PRASANTH K B	Inhouse
64		IV CS B	106	212714104106	PRAVEEN M	Inhouse
65	27	IV CS B	75	212714104075	KEERTHANA A	Inhouse
66		IV CS B	78	212714104078	KOWSALYA A	Inhouse
67		IV CS B	92	212714104092	NANDHINI G M	Inhouse
68	28	IV CS B	76	212714104076	KEERTHIRAM K	Inhouse
69		IV CS B	79	212714104079	KRISHNA T	Inhouse
70		IV CS B	109	212714104109	PRAVESH M S	Inhouse

Research details of Departments

71	29	IV CS B	82	212714104082	KUKKADAPU ADITYA SAI	Inhouse
72		IV CS B	93	212714104093	NARENDRAN R	Inhouse
73		IV CS B	100	212714104100	PARTHASARATHI B	Inhouse
74	30	IV CS B	83	212714104083	LAKSH KHANTER S	Inhouse
75		IV CS B	88	212714104088	MATHANGI S	Inhouse
76		IV CS B	110	212714104110	PREM R KALANTRI	Inhouse
77	31	IV CS B	85	212714104085	MADHUMITHA A	Inhouse
78		IV CS B	86	212714104086	MAHALAKSHMI V	Inhouse
79		IV CS B	97	212714104097	NISHA R	Inhouse
80	32	IV CS B	87	212714104087	MANNOJ R	Inhouse
81		IV CS B	117	212714104117	RAAJ KAMAL G	Inhouse
82	33	IV CS B	89	212714104089	MOHAMMED THAMEEM ANSARI M	Inhouse
83		IV CS B	108	212714104108	PRAVEEN BABU B	Inhouse
84		IV CS B	116	212714104116	PUVINASH VICKY A	Inhouse
85	34	IV CS B	96	212714104096	NIKHIL REDDY REDDEM	Inhouse
86		IV CS B	119	212714104119	RADHAN SANKARSH IYER	Inhouse
87		IV CS B	307	212714104307	JEYAPAVITHRAN	Inhouse
88	35	IV CS B	114	212714104114	PRIYANKA R	Inhouse
89		IV CS C	151	212714104151	SRIDEVI D	Inhouse
90		IV CS C	165	212714104165	TEENA M R	Inhouse
91	36	IV CS B	308	212714104308	KARTHIKEYAN J	Inhouse
92		IV CS B	310	212714104310	MOHAN KUMAR H	Inhouse
93		IV CS C	144	212714104144	SIDDHARTH N PATEL	Inhouse
94	37	IV CS C	121	212714104121	RAGUL P	Inhouse
95		IV CS C	161	212714104161	SURABATHULA VIRINCHI	Inhouse
96		IV CS C	154	212714104154	SUDHARSAN V	Inhouse
97	38	IV CS C	123	212714104123	RAJESH KUMAR K	Inhouse

Research details of Departments

98		IV CS C	137	212714104137	SEETHAKUMARASWAMY G	Inhouse
99		IV CS C	150	212714104150	SRICHARAN B	Inhouse
100	39	IV CS C	124	212714104124	RAMPRASAD M S	Inhouse
101		IV CS C	136	212714104136	SATHEESH A	Inhouse
102		IV CS C	315	212714104315	SARAVANAN S	Inhouse
103	40	IV CS C	126	212714104126	REZMI S	Inhouse
104		IV CS C	131	212714104131	SANDHYA S	Inhouse
105		IV CS C	158	212714104158	SUMATHI P	Inhouse
106	41	IV CS C	138	212714104138	SHAKTHIVEL S	Inhouse
107		IV CS C	159	212714104159	SUMIT PAREEK	Inhouse
108		IV CS C	162	212714104162	SURIYANARAYANAN R	Inhouse
109	42	IV CS C	132	212714104132	SANGAMITHIRAI MSV	Inhouse
110		IV CS C	145	212714104145	SIVASANKARI K	Inhouse
111		IV CS C	163	212714104163	TAMIL SURYA V	Inhouse
112	43	IV CS C	133	212714104133	SANKARARAMAN S	Inhouse
113		IV CS C	157	212714104157	SUJITRAJ T	Inhouse
114		IV CS C	166	212714104166	THARUN RAJ B	Inhouse
115	44	IV CS C	125	212714104125	RESHMA S	Inhouse
116		IV CS C	142	212714104142	SHRUTHI RANJEET R	Inhouse
117		IV CS C	147	212714104147	SNEEHA G	Inhouse
118	46	IV CS C	160	212714104160	SUPRAJA S	Inhouse
119	47	IV CS C	311	212714104311	MONISHA A	Inhouse
120		IV CS C	312	212714104312	PAVITHRA S	Inhouse
121		IV CS C	501	212713104047	GAYATHRI M	Inhouse
122	48	IV CS B	61	212714104061	JAGADEESAN H	Inhouse
123		IV CS B	65	212714104065	JEGAN PRASAD R	Inhouse

Research details of Departments

124		IV CS B	91	212714104091	NANDHA KUMAR T	Inhouse
125	49	IV CS A	42	212714104042	ELAMATHI E	Inhouse
126		IV CS B	120	212714104120	RAGAVEE P K	Inhouse
127		IV CS C	167	212714104167	THASLIMA NASREEN F	Inhouse
128	50	IV CS C	129	212714104129	SAI KRISHNA R	Inhouse
129		IV CS C	146	212714104146	SIVA SUBRAMANIAN PA	Inhouse
130		IV CS C	155	212714104155	SUDHARSHAN K	Inhouse
131	21	IV CS B	63	212714104063	JAYASHREE A	Industry
132		IV CS B	72	212714104072	KARTHIKA M	Industry
133		IV CS B	81	212714104081	KRISHNA SWETHA K	Industry
134	45	IV CS C	143	212714104143	SIDDARTH KANNAN	Industry
135		IV CS C	153	212714104153	SUDHARSAN N	Industry
136		IV CS C	156	212714104156	SUDHARSHAN R	Industry
137	51	IV CS A	1	212714104001	AARATI R	Industry
138		IV CS A	4	212714104004	ACHUTH PULIKOT	Industry
139		IV CS A	23	212714104023	ASHWIN KUMAR S	Industry
140	52	IV CS A	8	212714104008	ADITI PRAKASH	Industry
141		IV CS B	77	212714104077	KESHAV ADITYA R P	Industry
142	53	IV CS A	46	212714104046	GANESH J	Industry
143		IV CS A	94	212714104094	NARESH SINGARAVELU	Industry
144	54	IV CS A	30	212714104030	BOWYA R	Industry
145	55	IV CS A	49	212714104049	GAYATHIRI S	Industry
146		IV CS C	134	212714104134	SARAVANAN SP	Industry
147		IV CS C	148	212714104148	SOWMYA S	Industry

Research details of Departments

148	56	IV CS A	52	212714104052	GOUTHAM M	Industry
149	57	IV CS B	99	212714104099	NOVEENAA P	Industry
150	58	IV CS B	90	212714104090	MUNUSAMY PITCHANDI AKIL	Industry
151		IV CS B	66	212714104066	JYOTHI SWAROOP S V	Industry
152		IV CS B	113	212714104113	PRIYANKA G V	Industry
153	59	IV CS C	135	212714104135	SASHANK K	Industry
154	60	IV CS C	127	212714104127	ROHAN CHANDHOKE	Industry
155		IV CS C	173	212714104173	VIJAY SAI THIAGARAJAN	Industry
156	61	IV CS C	175	212714104175	VIKKRAM A	Industry
157	62	IV CS B	103	212714104103	PRADEEP KUMAR K	Industry
158	63	IV CS B	111	212714104111	PRITHIVIRAJ G	Industry
159	64	IV CS C	139	212714104139	SHALIKA B S	Industry
160	65	IV CS C	141	212714104141	SHRUTHIKA MANDIRAM	Industry
161	66	IV CS C	172	212714104172	VIJAY R	Industry
162	67	IV CS A	15	212714104015	AKSHAYA SAI V	Industry
163		IV CS A	51	212714104051	GAYATHRI S	Industry
164	68	IV CS A	32	212714104032	CHIDAMBARAM E	Industry
165		IV CS A	55	212714104055	HARINI S	Industry
166		IV CS A	56	212714104056	HARINI V	Industry
167	69	IV CS C	130	212714104130	SAI VENKATESH	Industry
168		IV CS C	174	212714104174	VIJAY VIGNESH	Industry
169	70	IV CS C	140	212714104140	SHRUJITHA R	Industry
170		IV CS C	169	212714104169	VARSHA R	Industry
171		IV CS C	170	212714104170	VASUMATHI B	Industry

Research details of Departments

172	71	IV CS C	152	212714104152	SRIDHAR R	Industry
173		IV CS C	168	212714104168	THIRUVENKATAM R	Industry
174	72	IV CS A	45	212714104045	GANDAVARAM ANUHYA	Industry
175	73	IV CS C	122	212714104122	RAJAMANIHANDAN S R	Industry
176	74	IV CS A	14	212714104014	AKSHAYA B K	Industry

Total Student Strength **176**
Total Batch count **74**
No. of Inhouse Projects **48**
No. of Industry Projects **26**

ME (CSE) - II YEAR - PROJECT WORK - PHASE II (2017-2018 even sem)

SNo.	Reg. Number	Name	Guide Name	Title
1.	160511001	A.G.Ashmita	Dr.R.Anitha	Data De-duplication on Encrypted Data Lake in Cloud Environment
2.	160511002	A.B.Hemalatha	Ms.R.Gayathri	QoS assured and energy efficient load balancing routing algorithm for Wireless Video Delivery
3.	160511003	P.Kalai Selvi	Ms.K.S. Gayathri	MOART: Multiple Occupants Activity Recognition and Tracking in Smart Home
4.	160511004	K.Sree Laasya	Ms.R.Bhuvaneswari	Supervised Palm Print Recognition for Personal Identification using Convolution Neural Network Technique
5.	160511005	S.Princy	Dr.R.Nedunchelian	A Secure Authentication for Transaction Process using Face and Speech
6.	160511006	R.Rajyashree	Dr.N.M.Balamurugan	Routing for Power Controlled and Mobility Constraint Adhoc

Research details of Departments

				Networks
7.	160511007	S.V Suriyaprasad	Mr.K.Kumanan	Homomorphic Encryption using Enhanced BGV Encryption scheme for cloud security

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

National Journal: Nil

International Journal:

1. **A. G. Ashmita**, R. Anitha, “Data De-Duplication on Encrypted Data Lake in Cloud Environment”, International Journal of Engineering Research and Technology (IJERT), ISSN: 2278-0181, Vol 7, Issue 03, March 2018.
2. **Hemalatha. A.B** and Gayathri. R (2018), “Efficient Load Balancing for Multimedia Transmission”, International Journal of Engineering and Techniques, Vol. 4, No. 2, pp. 464-466.
3. **Kalaiselvi. P** and K. S. Gayathri (2018), “MOART: Multiple Occupants Activity Recognition and Tracking in Smart Home”, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 7, No. 3, pp.21-25.
4. **Rajyashree. R** and Balamurugan. N.M (2018), “Mobility Management in Power Controlled and Rate Adaptive Adhoc Networks”, International Journal of Engineering Research & Technology (IJERT), Vol. 7, No. 3, pp. 311-314.
5. **Suriyaprasad. S.V** and Kumanan. K (2018), “Homomorphic Encryption using Enhanced BGV Encryption scheme for cloud security”, International Journal of Engineering and Computer Science, Vol. 7, No. 3, pp. 23785-23789.
6. Supraja S, **Poorani S**, “Tracking And Predicting Student Performance In Graduation Program Using Time Series Forecasting”, International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) Vol. 5, Special Issue 11, April 2018.

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

Papers presented in Conference by students (UG): Nil

Papers presented in Conference by students (PG):

1. **Sreelaasya. K** and Bhuvanewari. R (2018), “Supervised Palm Print Recognition for Personal Identification using Convolution Neural Network”, In the proceeding of 6th International Conference on Contemporary Engineering and Technology – 2018, pp. 80.

Research details of Departments

2. **Princy. S** and Nedunchelian. R (2018), “ A Secure Authentication for Transaction Process using Face and Speech”, In the proceeding of 6th International Conference on Contemporary Engineering and Technology – 2018, pp. 81.

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:

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 2018 held on 23rd March 2018:

List of projects presented:

S. No	Year & Roll no	Name of the student & Roll no.	Title	Name of the Mentor
1.	I - A	P. Harshitha (40) A.R. Heera (42) P. Jagathratchagan (44)	Advanced Feature in Call Log-Text Call	Ms. G. Janakasudha (AP/CSE)
2.	I – C	Vignesh Shankar (156) Swaran I (145)	EduPortal	Ms. N. Revathi (AP/CSE)
3.	II - A	Ajaysaba.A (17)	An Approach to use GSM Wi-Fi hotspot signal for making calls at zero coverage areas.	Mr. Arul. P (AP/ECE)
4.	II - B	A. Mohamed Anan (88) Kaushik Giriajan (75)	MakeSpace	Dr. R. Anitha (Prof. and Head/CSE)

Research details of Departments

5.	II - B	Raguraman.T (118) Rakesh.E (123) Ragul Krish.N (117)	Accident Detection and Theft Protection System	Mr. B. Praveen Kumar (AP/CSE)
6.	II - A	V. Durairaja Vigneshwar (48) V. Ganesh Prabhu (51)	Automated Reporter and Protector (ARP) system	Ms. T. Padmavathy (AP/CSE)
7.	II – B	Kailash S (70) Koushika K (80)	Voice based E-mail service for Visually Impaired	Rajeswari N (Asso. Prof/CSE)
8.	II - B	Jeeva R (69) Rajadurai C K (119)	Wall -E- Robot	Mr. M. Adimoolam (AP/CSE)
9.	II & III	Santhosh Kumar J(III yr-C, 128) Mahesh G K (II yr- B, 84) V. Lakshmivenkat	Non-Invasive Diabetes monitoring System	Dr. Balamurugan N M (Asso. Prof/CSE)
10.	III - A	Akash Saravanan (10) Gurudutt Perichetla (43)	Adaptive Content Generation using Facial Recognition & Deep Learning	Dr. K.S.Gayathri (Asso Prof/CSE)
11.	III - A	Hariharan V (44) Achuthan R(4)	Mitral Valve Prolapse Analyser	Dr C Jayakumar (Prof. CSE)
12.	III - C	S Santhosh Kumar (129) V Shrivatsun (139)	Intelligent Bot	Mr. Yuvaraj S (AP/CSE)
13.	III - A	B. Devika (36) N. Hemanth Ramya (50)	Machine Learning Based Missing Child Tracking System (MCTS)	Ms. D.Sasikala (AP/CSE)
14.	III – A & B	Aparna.V (19) Madhuvanti M (72)	Comprehensive Learning Tool using Information Extraction from Text	Ms. E. Rajalakshmi (AP/CSE)
15.	III - B	Pravesh Agarwal (109) Praveen Balaje (108) Pranav kumar (103)	Automated Cafeteria Admin	Mr. B. Praveen Kumar (AP/CSE)

Research details of Departments

16.	IV - C	R Sai Venkatesh (130) Vijay Vignesh P (174)	Blend the Concept	Ms. G. Janakasudha (AP/CSE)
17.	IV - C	S.Supraja (160) F. Thaslina Nasreen (167)	URL Phishing Analysis using Machine Learning	Ms. S. Poorani (AP/CSE)
18.	M.E. (CSE-IIyr)	A.B. Hemalatha (02) R. Rajyashree (06)	Paradise Regained	Ms. R. Gayathri (AP/CSE)
19.	I - A	R. Avinash (15) B. Harini Shree (37) D. Ashwin (13)	EasyGo: Efficient Transport System	Dr. Balamurugan N M (Asso. Prof/CSE)
20.	II & IV year	Divya Gurumoorthy (II yr CS – 46) Diliban Sibi (II yr EEE -16) Sarabesh Sriram (III yr Mech) Kevin Immanuel Gubbi (IV yr EEE - 43) Arvind PG (IV yr CS -20)	Autonomous Underwater Vehicle	Dr. R. Anitha (Prof and Head/CS)

Total number of abstracts : 20

Total number of students : 47

Total number of mentors : 16

Prize Winners of “SVCE Innovates 2018” event held on 23rd March 2018:

S.No	Name of the students(UG)	Title	Name of the Mentor	Prize
1	V. Durairaja Vigneshwar (II yr -48) V. Ganesh Prabhu (II yr - 51)	Automated Reporter and Protector (ARP) system	Ms. T. Padmavathy (AP/CSE)	First Place
2	S Santhosh Kumar (III yr - 129) V Shrivatsun (III yr -139)	Intelligent Bot	Mr. Yuvaraj S (AP/CSE)	Second Place
3	Divya Gurumoorthy (II yr CS – 46) Diliban Sibi (II yr EEE -16) Sarabesh Sriram (III yr Mech) Kevin Immanuel Gubbi (IV yr EEE - 43)	Autonomous Underwater Vehicle	Dr. R. Anitha (Prof. and Head/CS)	Third Place

Research details of Departments

Arvind PG (IV yr CS -20)			
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6) FACULTY RESEARCH DAY – 2018 was held on 26th April 2018.

List of participants:

S.No	Name of the PhD/MS (Research) candidate* and supervisor	Title of the abstract
1.	Ms. S. Siva Sankari (PT External Scholar) (Dr. C. Jayakumar, Supervisor)	Feature Selection for Mining Big Data
2.	Mr. Tamilvanan. S (PT External Scholar) (Dr. J. M. Gnanasekar, Supervisor)	Security frame work for big data Across Distributed Clusters
3.	Ms. E. Rajalakshmi, AP/CS (Dr. R. Nedunchelian, Supervisor)	Data Mining Tasks for the Prediction of Customer Purchase Behaviors & Adverse Drug Reactions
4.	Mr. Mohamed Sirajudeen Y (FT Scholar) (Dr. R. Anitha, Supervisor)	Advanced Cramer-Shoup Cryptosystem: Data Security Algorithm for Cloud Environment.
5.	Mr. Muralidharan C (FT Scholar) (Dr. R. Anitha, Supervisor)	Selection of cloud service provider by analyzing the frequently occurring problems
6.	Ms. N. Uma, AP/IT (Dr. R. Anitha, Supervisor)	Mobility Aware Computation Offloading Decision in Mobile Cloud Computing Using Component based Approach
7.	Ms. T. Padmavathy, AP/CS (Dr. R. Anitha, Supervisor)	Fuzzy Based Placement of Virtual Machines
8.	Ms. S. Senthamizhi Selvi, AP/CS (Dr. R. Anitha, Supervisor)	Developing a Language Translation Engine for Book Conversion from Foreign to Native Language in the Field of Science and Technology
9.	Mr. T. Rajasekaran, AP/CS	Traffic Management for VANET
10.	Ms. S. Rajalakshmi, AP/CS	Design of an efficient technique for cyber crime detection using systolic tree

Research details of Departments

		based frequent pattern mining
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*- Part time/Full time/SVCE faculty : Part Time-8, Full Time-2
Number of Abstracts : 10
Number of Research Scholars : 10
Number of Supervisors : 5

1. **Ms. S. Senthamizhi Selvi**, AP/CS, presented a paper titled "Developing a Language Translation Engine for Book Conversion from Foreign to Native Language in the Field of Science and Technology" and won the first prize in Faculty Research Day 2018 held on 26/04/2018 at SVCE.
2. **Mr. Muralidharan C**, presented a paper titled "Selection of cloud service provider by analyzing the frequently occurring problems" and won the **second prize** in Faculty Research Day 2018 held on 26/04/2018 at SVCE.

Ms. N. Revathi
(AP/CSE, Research Co-ordinator)

Dr. R. Anitha
HoD/CS