Department of Computer Science and Engineering

RESEARCH CENTRE DETAILS

1. Year of Establishment of Research Centre: **2016 (Approved from 06.10.2016 to 05.10.2019)**

2. Current No. of Research Scholars in the centre:

S.No	Registration Number	Name Of the Scholars	Faculty	Mode of Study	Guide
1	17234987101	Ms.S.Srilekha	ICE	Full Time	Dr.B.Vanathi
2	17224997121	Ms.C.Pabitha	ICE	Part Time	Dr.B.Vanathi
3	18144991226	Mr.K.Shanmugam	ICE	Part Time	Dr.B.Vanathi
4	1614499393	Mr.M.Mayuranathan	ICE	Part Time	Dr.V.Dhanakoti
5	17244997371	Mrs.A.Ponmalar	ICE	Part Time	Dr.V.Dhanakoti
6	18144991324	Mr.K.Rajkumar	ICE	Part Time	Dr.V.Dhanakoti
7	17234997298	Ms.K.Revathi	ICE	Full Time	Dr.A.Samydurai
8	17144997484	Mr.Elaiyaraja K	ICE	Part Time	Dr.M.Senthil Kumar

4. Anna University Approved Research supervisors:

1. Dr.B.Vanathi, HOD and Prof/CSE (Reference No:2740154)

2. Dr.V.Dhanakoti, Associate Prof/CSE (Reference No:2640006)

3. Dr.A.Samydurai Associate Prof/CSE (Reference No:2740153)

4. Dr.M.Senthil Kumar Associate Prof/CSE (Reference No:2840026)

5. Dr.B.Muthusenthil Associate Prof/CSE (Reference No:3140034)

5.Doctoral Committee Members for Ph.D students

1. Dr.B.Vanathi, HOD and Prof/CSE (**3 No**)

2. Dr.V.Dhanakoti, Associate Prof/CSE (**3No**)

3. Dr.A.Samydurai Associate Prof/CSE (**3No**)

4. Dr.M.Senthil Kumar Associate Prof/CSE (1 **No**)

5. Dr.B.Muthusenthil Associate Prof/CSE (**Nil**)

6. Current status of Each Scholar

Sl.No	Registration Number	Name Of the Scholars	Status of the scholar
1	17234987101	Ms.S.Srilekha- (M.S)	Course Work completed
2	17224997121	Ms.C.Pabitha	Course Work completed
3	18144991226	Mr.K.Shanmugam	Doing Course Work
4	1614499393	Mr.M.Mayuranathan	Confirmation completed
5	17244997371	Mrs.A.Ponmalar	Course Work completed
6	18144991324	Mr.K.Rajkumar	Course Work completed
7	17234997298	Ms.K.Revathi	Course Work completed
8	17144997484	Mr.Elaiyaraja K	Course Work completed

7. Ph.D Pursuing (Research centre): **08**

9. **Other Information**: CSE staffs doing Ph.D in other college Research centre /institute

Sl.No	Name of the Scholars	Name of the Institute	Status of the scholar	Name of the Guide
1	Mr.M.Mayuranathan/AP-Sr.G	SRM Valliammai Engineering College	Confirmation completed	Dr.M.Murugan Vice Principal & Prof.
2	Ms.K.Devi / AP-Sr.G	RMD Engineering College	Confirmation completed	Dr.D.Paul Raj-CSE Prof
3	Mr.S.Venkatesh /AP-O.G	SSN College of Engineering	Course Work Completed	Dr.N.Balaji – IT Associate Prof
4	MsN.Poornima/AP-O.G	SRM Valliammai Engineering College	Course Work Completed	Dr.M.Murugan Vice Principal & Prof.

1. **Patents filed during the last five years:**

2018-2019

Sr.No.	Name of the Faculty	Title of the Project	Year
1	Dr. A. Samydurai	Mobile Case with Real time health monitoring circuitry	2018
2	Dr.V.Dhanakoti	Automated System For Detecting Leakages And Flaws In Large Network Of Underground Pipelines	2018
3	Dr. B. Muthusenthil	All In One Portable Smart Pill Box: A Design of Smart Pill Kit	2018
4	Dr. D. Kavitha	Smart Agriculture Assistant for Animal Monitoring	2018

Funded Projects

Name of the Faculty	Year	Funding Agency	Title of theProject	Amount Sanctioned	Duration	Status
Dr. D. Kavitha	2019	VEC	Smart Drone Agricultural Assistant in IOT for SSPSWP	Rs. 5000/-	6 Months	Completed
Dr. B. Vanathi	2018	TNSCST	Heart Monitoring System	Rs. 10000/-	3 Months	Completed
Dr.A.Samydurai	2017	DST - SERB	Smart Health Mobile Case (SHMC): A Design ofRemote Health Monitoring Kit using Internet of Things (IoT)	Rs. 1150000/-	2 Years	Ongoing
Dr. D.Kavitha	2017	TNSCST	Security Surveillance and Smart Plant using raspberry PI and AI algorithms	Rs. 9000/-	3 Months	Completed
Dr. B. Muthusenthil	2017	Korean research Brain pool Fund	Development Of Closed-Circuit Television Video Security System Based On Zero-Steganography And Lightweight Cryptography	Rs. 3000000/-	1 Year	Completed

Center of Excellence for Data Analytics & Machine Learning (CoE – DAML)

SPOC
Dr.B.Vanathi., Professor

Team Member	Designation
Ms.G.Sangeetha	Assistant Professor (Sel.G)
Ms.A.Vidhya	Assistant Professor (Sr.G)
Ms.S.Suma	Assistant Professor (Sr.G)
Ms.C.Pabitha	Assistant Professor (O.G)
Ms.M.Priyadharshini	Assistant Professor (O.G)
Mr.K.Shanmugam	Assistant Professor (O.G)

Centre of Excellence for Data Analytics & Machine Learning (CoE – DAML)

Areas Covered:

- ❖ Deep Learning
- ❖ Neural Networks
- ❖ Artificial Intelligence
- ❖ Geolocation Handling
- ❖ Big Data Analytics
- ❖ Data Science & Computer Vision
- ❖ Robotics
- ❖ Supervised/Unsupervised Machine Learning
- ❖ Natural Language Processing
- ❖ Reinforcement Learning
- ❖ Image/Text/Voice Recognition,Procesesing
- ❖ Predictive Analysis
- ❖ Tamil Computing,Character Recognition
- ❖ Image Captioning
- ❖ Clustering/Classification/Regression

Center of Excellence for Network Security(NS)

SPOC
Dr. V. Dhanakoti., Associate Professor Dr. B. Muthusenthil., Associate Professor

Team Member	Designation
Mr. M. Mayuranathan	Assistant Professor (Sr.G)
Ms. S. Shanthi	Assistant Professor (Sr.G)
Mr. T. Rajasekaran	Assistant Professor (O.G)
Ms. N. Poornima	Assistant Professor (O.G)

Centre of Excellence for Network Security(NS)

Areas Covered:

- ❖ Network Access Control (NAC)
- ❖ Application security
- ❖ Antivirus and Antimalware Software
- ❖ Wireless Security
- ❖ Data Loss Prevention
- ❖ Behavioural analytics in IDS Prevention
- ❖ Software and data segregation security
- ❖ Application security
- ❖ Advanced Malware Protection
- ❖ Access control
- ❖ Intrusion Detection and Prevention Systems
- ❖ Network segmentation
- ❖ Security information and event management
- ❖ Virtual Private Networks
- ❖ Web security
- ❖ Security Community
- ❖ Security Announcements and Events
- ❖ Firewalls
- ❖ Endpoint Security

Center of Excellence for Cloud Computing (CoE-CC)

SPOC
Dr.A.Samydurai., Associate Professor

Team Member	Designation
Mr.G.kumersan	Assistant Professor(Sel.G)
Ms.A.Lalitha	Assistant Professor(Sr.G)
Ms.K.Devi	Assistant Professor(Sr.G)
Ms.V.Prema	Assistant Professor(O.G)
Ms.R.Anitha	Assistant Professor(O.G)

Center of Excellence in Cloud Computing (CoE-CC)

Areas Covered:

- ❖ Cloud Security
- ❖ Cloud Fault Tolerance
- ❖ Cloud Scheduling for resource optimization
- ❖ Cloud Energy Optimization
- ❖ Privacy in multi-tenancy clouds
- ❖ Virtualization
- ❖ Data recovery and backup
- ❖ Data Segregation and recovery
- ❖ Software and data segregation security
- ❖ Secure management of virtualized resources
- ❖ Trusted computing technology
- ❖ Failure detection and prediction
- ❖ Availability, Recovery and auditing
- ❖ Secure mobile cloud

Center of Excellence for Internet of Things(IOT)

SPOC
Dr.M.Senthil Kumar., Associate Professor

Team Member	Designation
Dr.L.Karthikeyan	Assistant Professor(Sr.G)
Mr.N.Leo Bright Tennisson	Assistant Professor(Sr.G)
Dr.D.Kavitha	Assistant Professor(O.G)
Ms.S.Benila	Assistant Professor(O.G)
Mr.S.Venkatesh	Assistant Professor(O.G)

Centre of Excellence for Internet of Things(IOT)

Areas Covered:

- ❖ Wireless Sensor Networks
- ❖ Smart Cities
- ❖ Network Security
- ❖ Artificial Intelligence
- ❖ Cloud Computing
- ❖ Big Data
- ❖ Ubiquitous Computing
- ❖ Distributed Systems
- ❖ Cyber-Physical Systems
- ❖ Pervasive Computing
- ❖ Embedded Systems
- ❖ Machine Learning
- ❖ RFID