



JERUSALEM COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

R&D ACTIVITIES (2015 - 2016)

1. Doctorates in the department & recognized as research guides:

- Dr.C.R.Rene Robin (Recognized Supervisor)
- Dr.G.Geetha (Recognized Supervisor)
- Dr.R.I.Minu

2. Faculty Pursuing Ph.D:

No. of Faculty Pursuing Ph.D: 13

S.No	Name of the faculty	University	Year of Registration
1	Mrs.B.Jaishanthi	Anna University Of Tech-Chennai.	July 2011
2	Mr.S.Sadagopan	Anna University Of Tech-Chennai.	July 2011
3	Ms.Maya Eapen	Anna University	July 2011
4	Mrs.S.K.Lavanya	Anna University Of Tech-Chennai.	July 2011
5	Mrs J Shiny Duela	Anna university of Tech-Coimbatore	July 2011
6	Mrs.Priya Packialatha	Anna University	Jan 2015
7	Mrs.R. Vanitha	Anna University	Jan 2015
8	Mrs.N.Priya	Anna University	Jan 2015
9	Mr. M.V. Ranjith Kumar	Anna University	Jan 2015
10	Mrs.K.Anita Davamani	Anna University	July 2015
11	Mrs.H.Mercy	Anna University	July 2015
12	Mrs.K.Anita Davamani	Anna University	July 2015
13	Mr.Usama Abdur Rahman	Anna University	July 2015

3. Consultancy Projects:

Sno	Title of the Project	Head	Staff In charge	Student	Date	Amount	Organization
1	Designing Tutorial DVD for Basics of Computer, MS Word &MS Excel	Dr.C.R.Rene Robin, Prof.& HOD, CSE	Mrs.Pribhavathi-AP-Dept of CSE	Siddharth Venkatesh, Siva Prakash	2015-Completed	Rs.300000/-	Bethel Matriculation Higher Secondary School
2	Enterprise Resource Planning	Ms.S.K.Lavanya, AP, Dept of CSE	Mrs.Shiny Deula-AP-Dept of CSE	Soundarya, Viji, R. Sowmiya	2015-Completed.	Rs.50000/-	Pravin Enterprises

4. Paper/journal Publications by the Faculty (2015-2016):

International Journals: 19

International Conferences: 07

National Conferences: 02

Journal Publication (2015 -2016)

S.NO	AUTHOR NAME	TITLE OF THE PAPER /ARTICALS	NAME OF THE JOURNAL	VOLUME AND ISSUE NUMBER	PAGE NO	ISSN NO	YEAR OF PUBLICATION	CITATION INDEX
1	J. Vijayalakshmi, Dr. C.R. Rene Robin	Defying XDOS Against XML Web Services In Cloud Environment Using Modified SOA And Cloud Guard	International Journal Of Applied Engineering Research	Volume 10 Issue 75	46-52	0973-4562	2015	Nil
2	Dr. C. R. Rene Robin, Dr.C. Nalini	Personalized Mobile Search Engine Using Ontologies	International Journal Of innovative research in computer and Communication Engineering	Volume 3 Issue 5	05-Jan	2320-9801	2015	Nil
3	Saranya Balaguru, Rachel Nallathamby, C.R.Rene Robin	Community Discovery: Comparitive Survey Between Page Rank, Hits, Salsa And Heigen	Elysium Journal Of Engineering Research And Management	Volume 2Issue 3	04-Jan	2347-4408	2015	Nil
4	Kaladevi Ramar, Geetha Gurunathan	Technical review on Ontology Mapping Techniques	Asian Journal of Information Technology	Volume 15 Issue 4	676-688	1682-3915	2016	Nil
5	K.Murugalakshmi , Mrs. G.Geetha And Mrs.K.Sundara Velrani	Cloud Based Healthcare Monitoring System Using Wearable Sensors	International Journal Of Emerging Technology In Computer Science & Electronics (IJETCSE)	Volume 21 Issue 3	177-180	0976-1353	2016	Nil
6	Maya Eapen, Reeba Korah, G. Geetha	Computerized Liver Segmentation From Ct Images Using Probabilistic Level Set Approach	Arabian Journal For Science And Engineering	Volume 6 Issue 53	14-Jan	2191-4281	2015	Nil
7	Mrs. G.B.Santhi, Dr.G.Geetha	Confidential And Efficient Query Services For Data Sharing In Cloud Using E-Mail Filtering	International Journal Of Applied Engineering Research	Volume 10 Issue 33	25762-25766	0973-4562	2015	Nil

8	Maya Eapen, Reeba Korah, G. Geetha	Swarm Intelligence Integrated Graph-Cut For Liver Segmentation From 3D-CT Volumes	Scientific World Journal	Volume 15	12-Jan	1537- 744X	2015	Nil
9	Maya Eapen, Reeba Korah G.Geetha	3D- Liver segment from CTA Image with Patient adaptive Baysian Model	International Journal Biomedical Engineering and Technology	Volume 19	53-69	1752- 6418	2015	Nil
10	RI Minu, G Nagarajan	Fuzzy Empowered Cognitive Spatial Relation Identification and Semantic Action Recognition	Circuits and Systems	Volume 7	1906- 1915	-	2016	Nil
11	G Nagarajan, RI Minu, B Muthukumar, V Vedanarayanan,SD Sundarsingh	Hybrid Genetic Algorithm for Medical Image Feature Extraction and Selection	Procedia Computer Science	Volume 85	455- 462	1877- 0509	2016	Nil
12	Ramar Kaladevi , Gurunathan Geetha , P. Narayanasamy	Ontological Based Interoperability And Integration Framework For Heterogeneous Weather Systems	Revista Técnica De La Facultad De Ingeniería Universidad Del Zulia	Volume 39	185- 192	0254- 0770	2016	Nil
13	P.Bhaktiasri, Dr.R.I.Minu	Geometric Structured Driven SAR Image Registration And Feature Extraction	International Journal Of Emerging Technology In Computer Science And Electronics (IJTCSE)	Volume 21 Issue 3	172- 176	0976- 1353	2016	Nil
14	S.Sadagopan, A.Srinivasan	Generalized Rough set Method for Intensity Inhomogeneity Correction in Brain MRI Segmentation	Advances in Natural Applied Sciences	Volume 9Issue 9	45-50	1995- 0772	2015	Nil
15	G. Nagarajan,R.I. Minu	Multimodal Fuzzy Ontology Creation And Knowledge Information Retrieval	Advances In Intelligent Systems And Computing	Volume 398	697- 706	2194- 5365	2015	Nil
16	G.Nagarajan, R.I.Minu, V.Vedanarayanan, S.D.Sundersingh Jebaseelan, K.Vasanth	CIMTEL- Mining Algorithm For Big Data In Telecommunication	International Journal Of Engineering And Technology	Volume 7 Issue 5	1709- 1715	0975- 4024	2015	Nil
17	Bhanu Priya.P, Mrs.Priya Packialatha	Minimizing Service Delay And Preserving Privacy For A E-Health Monitoring System Using Geo Distributed Cloud	International Journal Of Emerging Technology In Computer Science And Electronic (JETCSE)	Volume 21 Issue 3	186- 189	0976- 1353	2016	Nil

18	Rathika Manickam, Mrs. Maya Eapen	Lung Nodule Segmentation From CT Scan Images	International Journal Of Emerging Technology In Computer Science And Electronics (IJETCSE)	Volume 21 Issue 3	147- 150	0976- 1353	2016	Nil
19	S.Sudha , R.Vanitha	An Effective Classifier For Thyroid Disease Diagnosis	Organisation of Science and Innovative Engineering & Technology (OSIET)	-	05-Jan	978-81- 904760- 8-9	2016	Nil

Conference Publication 2015 - 2016

S.NO	AUTHORS	TITLE OF THE PAPER /ARTICLES	NAME OF THE CONFERENCE	PAGE NO	YEAR OF
					PUBLICATION
1	Anu Joseph, Dr .D. Doreen Hephzibah Miriam, Dr. C. R. Rene Robin	An Effective Grouping Mechanism To Improve Students' Academic Performance	National Conference On Intelligent Computing And Data Analytics (NCICDA)	49-55	2016
2	Anu Joseph, Dr.C.R.Rene Robin	A Novel Predictive Model To Improve Academic Performance Using Hadoop	International Conference On Mathematical Computer Engineering (ICMCE)	22-24	2015
3	Renya Nath N, Priya Narayanaswami, Dr.G Geetha Mohan	Intelligent Query Placement Strategy For Progressive-Real Time Analytics In Big Data	International Conference On Intelligent Systems And Control (ISCO)	718-721	2016
4	G.Nagarajan, R.I.Minu	Fuzzy Ontology Based Multi- Modal Semantic Information Retrieval	International Conference On Intelligent Computing, Communication And Convergence (ICCC)	101-106	2015
5	P.Bharani Amarnath, B.Jaishanthi.	An Efficient Multimedia Transmission Using Cross- Layer Scheduling Scheme In A Multi-Hop ORN	International Conference On Communication And Signal Processing	0370-0373	2016
6	Prem Nisha.G, Sadagopan.S	Generic Verifier Model For Shared Data With Efficient User revocation And Collusion Resistance	IEEE International Conference On Human Computer Interaction (ICHCI)	363-368	2016
7	RenyaNath N, N Priya, Dr.CR.Rene Robin	Social media content based Location and situation analysis model for disaster management		16-Jan	2016

8	Renya Nath , Priya Narayanaswami, Dr.G.Geetha Mohan	Intelligent Query Placement Strategy for Progressive Real Time Analytics in Big Data	10 th International conference on Intelligent Systems and Control (ISCO 2016)	718-721	2016
9	S.Sudha , R. Vanitha	An Effective Classifier For Thyroid Disease Diagnosis	6 th International Conference on Science And Innovative Engineering 2016	05-Jan	2016

5. Text books Published by the Faculty

S.No.	Author Name	Title of the Book	Publisher	Year
1	Dr.G.Geetha T.Saranya	Computer Programming	Sri Manakulavinayagar Publication,Tindivanam, Tamil Nadu.	2016

6. Research Proposals sent by the Faculty

S.No	Coordinators	Title	Funding Agency	Funding Amount	Date
1	Dr.G.Geetha, R.Kaladevi	Paddy Information Management and Retrieval via Mobile Systems	Council of Scientific and Industrial Research (CSIR)	Rs. 12,03,000/-	07 th March 2016

7. Project Proposals sent by the students

Tamil Nadu State Council for Science and Technology Proposals

S.No	Coordinators	Title	Funding Agency	Funding Amount	Date
1	Dr.C.R.Rene Robin – Dept. of CSE	(Complete List Enclosed - 17 Nos)	Tamil Nadu state Council for Science and Technology	List Enclosed	31 st August 2015

List of STP Proposals

SL.NO	INVESTIGATOR	PROPOSAL TITLE	BUDGET
1.	Dr.G.Geetha	Natural Language Processing Using Instaptic Translator	Rs.20,000
2.	T.Saranya	Recognition Systembased On Sensors Using Finger-Worn Device In Tamil Language	Rs.95,000
3.	Dr. G. Geetha	Virtual Hospice For Medical And Surgical Treatment	Rs.38,000
4.	P.Mahalakshmi	Real Time Intelligent Alarm Of Driver Fatigue Based On Video Sequences	Rs.10,000

5.	Priyadharshini	Derailment Surveying Using Wireless Sensor Network	Rs.45,000
6.	N.Raji	Ecops – Electronics Police Record Protection System	Rs.10,000
7.	Ruby Arya	Vehicle Tracking & Monitoring Security System Using Rfid,Gps & Gsm Based On Cloud Data Base	Rs.20,000
8.	P.Mahalakshmi	Improvized Security To Iris Code-Aadhaar Card	Rs.25,000
9.	Dr.C.R Renerobin	Secured Group Data Sharing In Healthcare System Via Cloud Storage	Rs.5,40,000
10.	B.Jaishanthi	Geo-Fencing Through Wireless Balloon Network	Rs.23,800
11.	Shiny Duela	Efficiant Cloud Oriented Content Delivery Network Using White Space And Redununcy Removal	Rs.20,000
12.	Maya Eapen	Brain Mri Image Segmentation Using Hyprid Intelligence Method	Rs 17,000
13.	H.Mercy	G-Filter : A General Gram Filter For String Similarity Search	Rs.10,000
14.	Dr.R.I.Minu	Gene Expression Pattern Classification And Reduction For Cancer Tumor Identification In Big Data Bio-Informatics	Rs .9778
15.	Usama Abdur Rahman	Energy Efficient Transmission Of High Resolution Images	Rs,35,000
16.	S.K.Lavanya	Review System Based On Concept Level Sentiment Analysys	Rs.25,000
17.	Priya Packialatha	Memory De-Duplication In Cloud Computing	Rs.34,300

8. Research Workshops / Community oriented Seminars / FDPs Organized / Participated:

I. Seminars/Workshops/Conferences/FDP attended by faculty members

S.NO	FACULTY	PROGRAM DETAIL	VENUE	DATE
1	Dr.C.R.Rene Robin	Use of Digital and Free Open Source Tools in Teaching Learning	JCE	18 th May 2016
2	Dr.G.Geetha	Use of Digital and Free Open Source Tools in Teaching Learning	JCE	18 th May 2016
3	Dr.G.Geetha	Time Management		

4	Dr. R.I.Minu	Use of Digital and Free Open Source Tools in Teaching Learning	JCE	18 th May 2016
5	Mr.S.Sadagopan	Use of Digital and Free Open Source Tools in Teaching Learning	JCE	18 th May 2016
6	Mrs.N.Priya	Use of Digital and Free Open Source Tools in Teaching Learning	JCE	18 th May 2016
7	Mrs.R Vanitha	Use of Digital and Free Open Source Tools in Teaching Learning	JCE	18 th May 2016
8	Mrs.R Vanitha	10 Days Training Program on “Big Data Analytics” sponsored by DST, Govt of India.	Velammal Institute of Technology	27 th April to 6 th May 2016
9	Mrs.H.Mercy	Use of Digital and Free Open Source Tools in Teaching Learning	JCE	18 th May 2016
10	Mrs.Priya Pakialatha	Faculty Training Programming on Grid and Cloud Computing Lab	Jeppiar SRR Engg College	5 th -7 th May 2016
11	Mrs.Priya Packiyalatha	Use of Digital and Free Open Source Tools in Teaching Learning	JCE	18 th May 2016
12	Mrs.P.Mahalakshmi	Use of Digital and Free Open Source Tools in Teaching Learning	JCE	18 th May 2016
13	Mrs.N.Raji	Use of Digital and Free Open Source Tools in Teaching Learning	JCE	18 th May 2016
14	Mrs.N Raji	Faculty development program on Artificial Intelligence	St.Joseph’s College of Engineering	5 th Jan – 12 th Jan 2016
15	Mr.Ranjith Kumar M	Use of Digital and Free Open Source Tools in Teaching Learning	JCE	18 th May 2016
16	Mrs.S.K.Lavanya	Use of Digital and Free Open Source Tools in Teaching Learning	JCE	18 th May 2016
17	Mrs.S K Lavanya	FDP on Artificial Intelligence	St.Joseph’s College of Engineering	5 th Jan – 12 th Jan 2016
18	Ms.T.Saranya	Train the Trainer Programme	Tech Mahindra, Elcot IT Park	18 th May to 20 th May 2016
19	Ms.T.Saranya	ICT Enabled Education Pedagogy	JCE	1 st Feb 2016
20	Mr.Usama Abdur Rahman	Faculty Training Programming on Grid and Cloud Computing Lab	Jeppiar SRR Engg College	5 th -7 th May 2016
21	Mrs.J.Shiny Deula	ICT Enabled Education Pedagogy	JCE	1 st Feb 2016
22	Mr.Kannan	ICT Enabled Education Pedagogy	JCE	1 st Feb 2016
23	Ms.Ruby Arya	Use of Digital and Free Open Source Tools in Teaching Learning	JCE	18 th May 2016
24	Ms.Ruby Arya	ICT Enabled Education Pedagogy	JCE	1 st Feb 2016
25	Mrs.Devi Priya	ICT Enabled Education Pedagogy	JCE	1 st Feb 2016

II. Department Activities-In House Seminars etc

S.No	Resource Person	Title	Venue	Date
1	CSE Faculty and Placement cell	In-house In-plant training on “Building Logical skills for problem solving and soft skills for Engineering students” In-house In-plant training on “ Hands-on training on Core Java and Emotional Intelligence”	Department of CSE	20/06/2016 to 24/06/2016

III. Guest Lecture Organized by the Department

S.No	Resource Person	Title	Date
1	Mr Lalith Nag Saran Business Analyst, EHelium	Seminar “Benefits of IEEE Certification”	16/10/15.
2	Mr R Sivagaminathan	Seminar on “E-learning”	27/10/2016
3	CSE Faculty Members	Bridge course on “Digital Signal Processing, Artificial Intelligence, Design and Analysis of Algorithm, Micro Processor and MicroController”	27/01/16 to 29/01/16.
4	Dr. M. Suriyanarayana Moorthy, uLektz Learning Pvt. Ltd.	Faculty Fellowship Programme “ICT Enabled Education Pedagogy”	01/02/16
5	Dr.C.R.Rene Robin, Dr.R.I.Minu, Mrs.B.Jaishanthi, Department of CSE,JCE	Skill Development Programme on “Trending Technologies”	02/02/16
6	C.Sivasoundar, Vista Mind, Chennai.	seminar on “MBA Aspirants”	10/02/16
7	Mr.Parthiban Shanmugam, Griffin Infosystem.	seminar on “Operating System for Mobile Computing”	11/02/16
8	P.Shankar, ORACLE India Pvt.Ltd.	seminar on “JAVA Cloud”	17/02/16
9	Mr.Vignesh, Founder and CEO, Elev Education.	Two Day Workshop on “Android App Development”	19/02/16 and 20/02/16
10	Ms.R Mahalakshmi Full time Research Scholar NITTR, Taramani, Chennai	Elearning to improve employability skills for students of Today and Tomorrow	01/03/2016
11	Mr Paul J Rajkumar Mr Siddhartha Khosh Elsevier Science and Technology Books International Tech Park, CSIR	Guest Lecture on “ Learn Collaborate and Innovate with Elsevier Books”	05/03/2016
12	Mr Renga Raju Overseas Educational Consultant pvt.Ltd.	Seminar on “studying Abroad”	08/03//2016
13	Mr PremAnand Regional Head, The Hindu	Seminar on “Newspaper-A learning Tool”	11/03/2016
14	Mr Ravi Kumar IBM	Seminar on “IBM-TGMC training	11/03/2016
15	Mr.Seethalakshmi SivaKumar	Mass Workshop on “Celebrating Kalam”	22/03/2016
16	Mr.Samuel Johnson Isreal	Faculty empowerment program on “Use of Digital free open source tools in teaching”	18/05/2016

9. Awards / Rewards:

FACULTY APPRECIATION AWARDS

S.No	Name of the faculty	Subject name	Pass %
1	Dr.C.R.Rene Robin	IT 2024 - User Interface Design	95
2	Dr.R.I.Minu	CP 7019 - Managing Big data	100
3	Mr.S.Sadagopan	CS 6303 - Computer Architecture	94.2
4	Mrs.N.Priya	IT 2024 - User Interface Design	91
5	Mrs.R.Vanitha	CS 6302 Database Management Systems	96.62
6	Mrs.H.Mercy	CS 6303 - Computer Architecture	90.2
7	Mrs.Priyapackialatha	CS 6502 - Object Oriented analysis and design	90
8	Mrs.P.Mahalakshmi	SE – 7103 Formal Models of Software System	100
9	Mrs.N.Raji	CS 6302 Database Management Systems	92.2
10	Mrs.Indhumathy	CS 2401 - Computer Graphics	90
11	Mr.Kannan	CP 7103 - Multicore Architectures	100

10. List of proposals to have MOU with industries:

S.NO	INDUSTRY	DATE OF SIGNING	DURATION
1	Achyuta Technologies	10 th October 2015	I Year.
2	eHelium Advisory Service	7 th October 2015	3 Year.

11. Other Achievements

SL.NO	BATCH	NAME	RANK
1	2014 – 2016 (M.E)	Anu Joseph	50 th Rank
2	2014 – 2016 (M.E)	Murugalakshmi K	43 rd Rank

R&D Co-ordinator

HOD-CSE