ERODE SENGUNTHAR ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi, Permanently Affiliated to Anna University - Chennai
& Accredited by NAAC & National Board of Accreditation (NBA), New Delhi.)

PERUNDURAI, ERODE 638 057

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

FIRST BOARD OF STUDIES MEETING

15.07.2019

ERODE SENGUNTHAR ENGINEERING COLLEGE
(AUTONOMOUS)
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai,
& Accredited by National Board of Accreditation (NBA), New Delhi
THUDUPATHI, ERODE – 638 057.

DEPARTMENT OF COMPUTER APPLICATIONS

BOARD OF STUDY MEMBERS

S.No.	Name	Designation	Nature
1	Dr. M. Thangavel	Professor and Head, Department Computer Applications, Erode Sengunthar Engineering College, Perundurai, Erode.	Chairman
2	Mr. P. Natarajan	Assistant Professor, Department Computer Applications, Erode Sengunthar Engineering College, Perundurai, Erode.	Member
3	Mr. C. Senthilkumar	Assistant Professor, Department Computer Applications, Erode Sengunthar Engineering College, Perundurai, Erode.	Member
4	Dr. E. Ilavarasan	Professor, Department of Computer Science and Engineering, Pondicherry Engineering College, Pondicherry.	Subject expert
5	Dr. K.R. Jothi	Associate Professor School of Computer Science and Engineering VIT University, Vellore.	Subject expert
6	Dr. V. Masilamani	Assistant Professor, Department of Computer Science and Engineering, IIITDM Kancheepuram, Chennai.	Anna University Representative
7	Mr. T. K. M. Selvaraj	CEO, Sellsoft	From industry/corporate sector/allied area relating to placement

8	Dr. S. Anitha Elavarasi	Associate Professor – CSE PG Department of Computer Science and Engineering Sona College of Technology	Alumini
9	Ms. K. N. Vani	Principal Education, Training and Assessment Infosys Limited Mysore	From industry/corporate sector/allied area relating to placement
10	Mr. A. Rajesh	Assistant Professor, Department Computer Applications, Erode Sengunthar Engineering College, Perundurai, Erode.	Member

Dr.M.THANGAVEL
Prof / Head
Department Of Computer Applications,
Erode Sengunthar Engineering College,
Perundurai,Erode.

PRINCIPAL,
Erode   har
Engir   ne,
Thudur   8 057.

ERODE SENGUNTHAR ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi, Permanently Affiliated to Anna University- Chennai,
Accredited by National Board of Accreditation (NBA), New Delhi &
National Assessment and Accreditation Council (NAAC), Bangalore with 'A' Grade)

PERUNDURAI, ERODE – 638 057.

Department of Computer Applications

1st Board of Studies Meeting - AGENDA

ITEM	Particulars
ITEM 01	WELCOMING OF BOARD OF STUDY MEMBERS
ITEM 02	TO CONSIDER AND APPROVE THE REGULATIONS OF MASTER OF COMPUTER APPLICATIONS PROGRAMME.
ITEM 03	TO CONSIDER AND APPROVE THE CURRICULUM OF I TO VI SEMESTERS FOR THE MASTER OF COMPUTER APPLICATIONS PROGRAMME TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 – 2020 ONWARDS.
ITEM 04	TO CONSIDER AND APPROVE THE SYLLABI OF I TO IV SEMESTERS FOR THE MASTER OF COMPUTER APPLICATIONS PROGRAMME TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 – 2020 ONWARDS.
ITEM 05	AS PER THE INSTRUCTIONS FROM DIRECTOR / ANNA UNIVERSITY ACADEMIC COURSES, FOR III TO VI SEMESTERS OF CURRENT 2ND & 3RD YEAR STUDENTS OF MASTER OF COMPUTER APPLICATIONS, THE SAME SYLLABUS UNDER ANNA UNIVERSITY 2017 REGULATIONS WILL BE FOLLOWED.

ITEM 01   WELCOMING OF BOARD OF STUDY MEMBERS

Dr. M. Thangavel, HoD / CA, Chairman of CA Board of Studies welcoming the members

ITEM 02   TO CONSIDER AND APPROVE THE REGULATIONS OF MASTER OF COMPUTER APPLICATIONS PROGRAMME

Regulations 2019 of MASTER OF COMPUTER APPLICATIONS

This content is placed before the Board of Studies for consideration and approval.

ITEM 03   TO CONSIDER AND APPROVE THE CURRICULUM OF I TO VI SEMESTERS FOR THE MASTER OF COMPUTER APPLICATIONS PROGRAMMES TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 – 2020 ONWARDS.

Curriculum 2019 of MASTER OF COMPUTER APPLICATIONS

This content is placed before the Board of Studies for consideration and approval.

ITEM 04   TO CONSIDER AND APPROVE THE SYLLABI OF I TO IV SEMESTERS FOR THE MASTER OF COMPUTER APPLICATIONS PROGRAMMES TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 – 2020 ONWARDS.

Syllabus R – 2019 of MASTER OF COMPUTER APPLICATIONS

This content is placed before the Board of Studies for consideration and approval.

ITEM 05   AS PER THE INSTRUCTIONS FROM DIRECTOR / ANNA UNIVERSITY ACADEMIC COURSES, FOR III TO VIII SEMESTERS OF CURRENT 2nd & 3rd YEAR STUDENTS OF MASTER OF COMPUTER APPLICATIONS, THE SAME SYLLABUS UNDER ANNA UNIVERSITY 2017 REGULATIONS WILL BE FOLLOWED.

* For information

ERODE SENGUNTHAR ENGINEERING COLLEGE, PERUNDURAI, ERODE - 638057

An Autonomous Institution Affiliated to Anna University, Chennai

DEPARTMENT OF COMPUTER APPLICATIONS

The Board of studies meeting of Computer Applications for the M.C.A. degree programme from the academic year 2019 – 20 onwards was convened and held on 15th July 2019 in the Conference Hall of CSE & Administrative Block, Erode Sengunthar Engineering College, Perundurai. The Minutes of the Meeting was

ITEM 01   WELCOMING OF BOARD OF STUDY MEMBERS

Dr. M.Thangavel, The Chairman of MCA Board of Studies welcomed all members of Board of Studies. He presented the introduction and achievements of the department and briefed the agenda to be discussed followed by introduction of all members present.

ITEM 02   TO CONSIDER AND APPROVE THE REGULATIONS OF M.C.A. (MASTER OF COMPUTER APPLICATIONS) PROGRAMME

The Chairman of MCA Board of Studies presented the Regulations 2019 of Master of Computer Applications programme. The Board of Studies reviewed the regulations and suggested following modifications.

- The Board of Studies resolved to approve the regulations of Master of Computer Applications programme.

ITEM 03	TO CONSIDER AND APPROVE THE CURRICULUM OF I TO VI SEMESTERS FOR THE M.C.A. (MASTER OF COMPUTER APPLICATIONS) PROGRAMMES TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 – 2020 ONWARDS.

The Chairman of MCA Board of Studies presented the Curriculum 2019 of I to VI for the M.C.A. (Master of Computer Applications). The Board of Studies reviewed the Curriculum and suggested following modifications.

- Dr. V. Masilamani suggested that to include the subject 'Discrete Structure for Computing' in second semester instead of 'Numerical and Optimization Techniques'.
- Dr K.R.Jothi suggested that the name of the subject 'Object Oriented Programming with Java' in second semester may be changed as Paradigm of Object Oriented Design rather than.
- Dr K.R.Jothi and Dr. V. Masilamani suggested that to change the subject name as 'Principles of Operating System' instead of 'Advanced Operating Systems' in second semester.
- Dr K.R.Jothi and Dr. V. Masilamani suggested that to change the subject name as 'Principles of Operating System Lab' rather than 'Advanced Operating Systems Lab' in second semester.
- Dr S.Anitha Elavarsi suggested to swap the first semester Database Management systems to second semester and second semester Advanced Operating Systems to first semester.
- Dr. V. Masilamani and Mr T.K.M. Selvaraj suggested that the subjects 'Software Reliability Engineering' and 'Blockchain Technology' may be included in the professional electives lists instead of 'E-Learning Techniques' and 'Information Security'.
- Dr. E.Ilavarasan suggested that to change the subject 'Information Security' rather than Security Practices and also change the laboratory subject 'Information Security Lab' instead of Security Practices Lab in the fifth semester.
- Dr S.Anitha Elavarsi suggested to add Comprehensive Viva for Final year students in fifth semester as one credit course.
- Dr E.Ilavarsan suggested that some credits may be given for the students those who are attending internship or industrial training in the fourth semester vacation period.
- Dr E.Ilavarsan suggested that to add 'Automata Theory and Compiler Design' as a core paper in the first year.

- Dr K.R.Jothi and Dr. V. Masilamani said to combine the subjects 'Object Oriented Analysis and Design' and 'Software Engineering' as an 'Object Oriented Software Engineering'.

ITEM 04	TO CONSIDER AND APPROVE THE SYLLABI OF I TO VI SEMESTERS FOR THE M.C.A.(MASTER OF COMPUTER APPLICATIONS) PROGRAMMES TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 – 2020 ONWARDS.

The Chairman of MCA Board of Studies presented the syllabi of I to VI for the M.C.A. (Master of Computer Applications). The Board of Studies reviewed the syllabus and suggested following modifications.

- Dr. E.Ilavarasan suggested that to include 2 text books and three references books uniformly for all subjects.
- Dr. E.Ilavarsan advised to include updated editions of the books.

The Board of Studies resolved to approve the syllabi of I to VI semesters for the M.C.A. (Master of Computer Applications) Programme brought forward by the Chairman incorporating the above changes.

ITEM 05	

The chairman informed that, as per the instructions from Director / Anna university Academic courses, for III to VI semesters of current 2nd & 3rd year students of M.C.A. (Master of Computer Applications), the same syllabus under Anna university 2017 regulations will be followed.

DEPARTMENT OF COMPUTER APPLICATIONS

ERODE SENGUNTHAR ENGINEERING COLLEGE, PERUNDURAI, ERODE - 638057

An Autonomous Institution Affiliated to Anna University, Chennai

The Board of studies meeting of Computer Applications for the M.C.A. Degree program from the academic year 2019 – 20 onwards was convened and held on 15th July 2019 in the Conference Hall, CSE & Administrative Block, Erode Sengunthar Engineering College, Perundurai. The following members were present during the meeting.

S.No.	Members	Signature
1	**Dr. V. Venkatachalam** Professor Department of Computer Science and Engineering Erode Sengunthar Engineering College	
2	**Dr. M. Thangavel** Professor Department of Computer Applications Erode Sengunthar Engineering College	
3	**Dr. V. Masilamani** Assistant Professor Department of Computer Science and Engineering IITDM Kancheepuram Chennai	
4	**Dr. E. Elavarasan** Professor/CSE Pondicherry Engineering College Pondicherry	
5	**Dr. K.R. Jothi** Associate Professor School of Computer Science and Engineering, Vellore Institute of Technology (VIT), Vellore	
6	**Dr. S. Anitha Elavarasi** Associate Professor – CSE PG Sona College of Technology Salem	
7	**Mr. T.K.M. Selvaraj** CEO Sellsoft	

8.	**Ms. K. N. Vani** Principal Education, Training and Assessment Infosys Limited Mysore	ABSENT
9.	**Mr. P. Natarajan** Assistant Professor Department of Computer Applications Erode Sengunthar Engineering College	
10	**Mr. C. Senthilkumar** Assistant Professor Department of Computer Applications Erode Sengunthar Engineering College	
11.	**Mr. A. Rajesh** Assistant Professor Department of Computer Applications Erode Sengunthar Engineering College	

Chairman
(BoS – CA)

Profile

Dr. Masilamani V

Assistant Professor

E-mail: masila@iiitdm.ac.in | **Ph:** +91-44-27476346

Education

- Ph.D. in Computer Science and Engineering, **Indian Institute of Technology, Madras**
- M.Tech. in Computer Science & Data Processing, **Indian Institute of Technology, Kharagpur**

Research Interests

- Image Processing and Computer Vision
- Pattern Recognition
- Algorithms and Data Structure
- Theory of Computing

Work Experience

Teaching 14 years

- Automata and Compiler Design
- Data Structures and Algorithms
- Advanced Data Structures and Algorithms
- Discrete Structures for Computer Engineerins
- Digital Image Processing
- Object Oriented Programming
- Scripting Languages - Perl and Python

Research 10 years

Journal Publications

- V. Masilamani and Kamala Krithivasan "Bi-level image reconstruction from its two orthogonal projections with periodicity and a sub image constraints", in International Journal of Imaging Science and Engineering, 2, no. 1, 2008, 170-173

- V. Masilamani, C. Vanniarajan and Kamala Krithivasan "On the reduction of side effects in tomography", in International Journal of Biomedical Sciences, 2, no. 4, 2007, 216-221
- Kanjar De and Masilamani V., "A Spatial Domain Object Seperability Based on No-reference Image Quality Measure using mean and variance", International Journal of Image and Graphics, Vol. 13(2), 2013

- Kanjar De and V. Masialmani, "Image Sharpness Measure for Blurred Images in Frequency Domain," International Conference on Design and Manufacturing (IConDM 2013), Procedia Engineering, Vol. 64, 149-158, 2013
- Kanjar De and Masilamani V., "A New No-Reference Image Quality Measure for Blurred Images in Spatial Domain," Journal of Image and Graphics, Vol. 1(1), 39-42, 2013
- D.K. Sheena Christy, V. Masilamani, D. Gnanaraj Thomas, Atulya Nagar and T. Robinson, Shuffle on Array Languages Generated by array Grammars, accepted for publication in International Journal of Appl. Math

Conference Publications

- Kanjar De and Masilamani V., "A Spatial Domain Object Seperability Based on No-reference Image Quality Measure using mean and varience", International Conference on Video and Media (ICVM 2013), Phuket, Thailand, May 2013
- V. Masilamani, Kamala Krithivasan and K.G Subramanian "Efficient algorithms for reconstruction of 2D-arrays from extended Parikh images", in the proceedings of 4th International Symposium on Visual Computing, Las Vegas, Nevada, USA, 2008
- V. Masilamani and Kamala Krithivasan "Reconstructing 3D-structure from microscopic projections using filters", in the proceedings of 2nd International Symposium on Bio-and Medical Informatics and Cybernetics (BMIC 2008), Orlando, USA, 2008
- V. Masilamani, Kamala Krithivasan, K.G Subramanian and A.Miin Huey "On the reconstruction of 2D-arrays from their Parikh images", in the proceedings of International Symposium on New Development and Applications (GFTA 2008), University Kebangsaan, Malaysia, 2008
- V. Masilamani and Kamala Krithivasan "A min-cost max-flow based algorithm for reconstructing binary image from two projections using similar images", in the

proceedings of International Workshop on Combinatorial Image Analysis (IWCIA 2008), New York, 2008

- V. Masilamani and Kamala Krithivasan "Reconstruction of 3D-bilevel image from three projections with periodicity constraints", in the proceedings of The Fourteenth International conference on Computational, Mathematical and Statistical Methods, IIT Madras, 2007

RESUME

1. Name	: Dr. E. ILAVARASAN	
2. Designation	: Professor	
3. Date of Birth	: 03-01-1967	
4. Educational Qualifications	: Ph.D.(CSE) from Pondicherry University. 2008 M. Tech. (CSE), from Pondicherry University, 1997	

5. Pay band with AGP : Rs. 37,400-67,000 with AGP Rs. 10,000

6. Office Address : Department of Computer Science and Engineering
Pondicherry Engineering College
(Government of Puducherry Institution)
Pillaichavady
Puducherry -605 014

7. Email : eilavarasan@pec.edu

8. Mobile : 9443084714

Fax : 0413 - 2655101

Phone Landline : 0413 – 2655281-282, Ext.461

9. Residential Address : 51, Oothukattu Mariamman Koil Street

Sellaperumal Pet

Lawspet

Puducherry – 605 014

10. Phone Land Line : 0413 -2257799

11. Teaching Experience

S. No	Position	Institution	From To	Period
1	Professor	Pondicherry Engineering College, Puducherry	19-01-2012 to till Date	7 years 3 month
2	Associate Professor	Pondicherry Engineering College, Puducherry	19-01-2009 to 18-01-2012	3 years
3	Assistant Professor	Pondicherry Engineering College, Puducherry	19-01-2006 to 18-01-2009	3 years
4	Lecturer	Pondicherry Engineering College, Puducherry	17-02-2000 to 18-01-2006	5 years 10 months
5	Lecturer	Bharathidasan Govt. College for Women, Puducherry	07-11-1991 to 16-02-2000	8 years 2 months

12. Faculty Development Programme Organized:

S. No.	Title of Programme	Sponsoring organization	Period	Duration (weeks/days)
1	Recent Trends in Parallel and Distributed Systems-Architectures, Operating Systems and Algorithms	AICTE New Delhi	05.04.2010 to 06.04.2010	2 weeks
2	Design of Embedded Systems – issues and challenges	AICTE New Delhi	16.04.2011 to 27.04.2011	2 weeks
3	Advances in Service Oriented Architecture and Web Services – issues and challenges	TEQIP	03.12.2012 to 07.12.2012	1 week
4	Advances in Software Architecture, Engineering, Modeling Tools and Programming Practices	AICTE New Delhi	27.05.2013 to 07.06.2013	2 weeks

13. National Conference Organized

S. No.	Title of National Conference	Sponsoring organization	Period	Duration (weeks/days)
1	Internet and Web Service Computing (NCIWSC-12)	AICTE New Delhi	02.08.2012 to 03.08.2012	2 days

14. Internal Conference Organized

S. No.	Title of National Conference	Sponsoring organization	Period	Duration (weeks/days)
1	International Conference on Informatics and Analytics (ICIA-16)	TEQIP II, AICTE New Delhi	25.08.2016 to 26.08.2016	2 days

15. Details of the Projects Completed

S. No.	Name of the Project	Sponsoring organization	Grant-in-aid	Duration
1	Modernization of Microprocessor and Microcontroller Lab	AICTE New Delhi	7,00,000/-	1 year 2011-12
2	Modernization of Microprocessor and Microcontroller Lab	AICTE New Delhi	14,00,000/-	1 year 2012-13

16. Details of the Publications:

    International Journals and Book Series - 32
    International Conferences   - 26
    National Conferences   - 5

17. Research

- o Five Research Scholars completed Ph.D. under my supervision
- o One Research Scholar submitted synopsis
- o Currently supervising four Ph.D research scholars in Data Mining, Social Networks, and Computer Networks & Security.

18. Project Guided

        M.Tech – 16
        B.Tech – 18
        MCA – 20

19. Areas of Interest

    Social networks
    Operating Systems
    Web Services Computing,
    Network & Security
    Data Mining and Warehousing

20. Any other relevant information/detail:

- Doctoral Committee member for the research scholar pursuing Ph.D at Anna University Chennai, VIT University Vellore and Pondicherry University.
- Member board of studies at Pondicherry University, Vel Tech University

E. ILAVARASAN

LIST OF PUBLICATIONS

INTERNATIONAL JOURNALS

[1]   R. Shankar, E. Ilavarasan, Scalable Multicasting through Hexagonal Zone Based Structure Over Mobile Ad Hoc Networks, Journal of Internet Technology, Volume 19, No.7, pp. 2111-2124, Dec. 2018. (ISSN 1607-9264)

[2]   Salina Adinarayana and E. Ilavarasan, "A Machine Learning Approach to Extract Opinions from Social Media Content", International Journal of Engineering & Technology, 7 (4.5), pp. 257-261, 2018.

[3]   R. Saravanan, and E. Ilavarasan, "Gwet Kappa Trust Factor-Based Repeated Node Taxonomy Scheme for Malicious Adversaries Detection", International Journal of Computer Sciences and Engineering, Vol. 6, Issue-10, E-ISSN: 2347-2693, Oct. 2018.

[4] Salina Adinarayana and E. Ilavarasan, "Two stage Decision Tree Learning from Multi-class Imbalanced Tweets for Knowledge Discovery", International Journal on Recent and Innovation Trends in Computing and Communication, Volume: 5 Issue: 6, pp.15-19, ISSN: 2321-8169, June 2017.

[5] Salina Adinarayana and E. Ilavarasan, "An Efficient Decision Tree Approach for Opinion Mining

from Skewed Twitter Corpus Using Confiscate and Substitute Technique" PONTE - International

Journal of Sciences and Research, Vol. 73, No. 1, Jan. 2017.

[6] Salina Adinarayana and E. Ilavarasan, "A Review of Opinion Mining Approaches for Knowledge Discovery" International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, Issue 8, August 2016.

[7] K. Muthumanickam and E. Ilavarasan, "Optimization of Rootkit Revealing System Resources - A Game theoretic Approach", Journal of King Saud University - Computer and Information Sciences, vol. 27, pp. 386–392, Sep. 2015.

[8] K. Muthumanickam and E. Ilavarasan, "CoPDA: Concealed Process and Service Discovery Algorithm to Reveal Rootkit Footprints", Malaysian Journal of Computer Science, vol.28, No.1, pp.1-15, March 2015. (ISSN 0127-9084)

INTERNATIONAL CONFERENCES

[1] Salina Adinarayana , E. Ilavarasan, An Efficient approach for Opinion Mining from skewed Twitter corpus using Under sampling approach, IEEE International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies (ICAMMAET), 2017

[2] Salina Adinarayana , E.Ilavarasan, "An Efficient Decision Tree for Imbalance data learning using Confiscate and Substitute Technique" Proceedings of the International Conference on Processing of Materials, Minerals and Energy (PMME-2016), pp. 1-6, [Elsevier], July 2016

[3] Salina Adinarayana and E.Ilavarasan, "Classification Techniques for Sentiment Discovery-A Review" International conference on Signal Processing, Communication, Power and Embedded System (ScOPES)-2016.

[4] G. Vadivelou, E. Ilavarasan, "Fusion of Pearson Similarity and Slope One methods for QoS Prediction for Web services", Proceedings of the International Conference on Contemporary Computing and Informatics", pp. 1118-1124, [IEEE Xplore], November 2014

[5] G. Vadivelou, E. Ilavarasan, "Performance Evaluation of Semantic Approaches for Automatic Clustering of Similar Web Services", Proceedings of the World Congress in Computing and Communication Technologies, pp. 237-242, March 2014 [IEEE Xplore]

Dr. K. R. Jothi

Associate Professorship of Computational Intelligence,
School of Computer Science and Engineering,
Vellore Institute of Technology (VIT University),
Vellore, Tamil Nadu, INDIA – 632014

📞 +91-9894819491 | ✉ prof.krj@gmail.com | ✉ prof.krj@ieee.org
🌐 https://sites.google.com/view/jothikr/home

Educational Qualification

September 2016

Ph.D. - Computer Science and Engineering

ANNA UNIVERSITY, CHENNAI

Thesis Tile: "Certain Investigations on Quality of Service in Vehicular Adhoc Networks and its Emergency Applications" – **Highly Commended**
Supervisor: Dr.A.Ebenezer Jeyakumar, Director Academics, Sri Ramakrishna Engineering College, Coimbatore.

May 2009

M.E. - Computer Science and Engineering – First Class

GOVERNMENT COLLEGE OF TECHNOLOGY, COIMBATORE

May 1999

B.E. - Computer Science and Engineering – First Class

ANJALAI AMMAL MAHALINGAM ENGINEERING COLLEGE, KOVILVENNI

Other Qualification

June 2014

National Eligibility Test (NET) - Qualified (Roll No.- 09870688)
UNIVERSITY GRANTS COMMISSION, NEW DELHI

Specialized Training

Amazon Web Services (AWS) Academy Accredited Instructor
Salesforce Developer Trainer
Java Programming Trainer
C programming Trainer
21st Century Learning Methods Trainer

Present Position

Associate Professor
Department of Computational Intelligence
School of Computer Science and Engineering,
Vellore Institute of Technology (VIT) (VIT University), Vellore, India.

Date of appointment to the present Institution: 02 / 05 / 2018

Details of Experience: 19 Years

01-10-2016 – 31-04-2018 [1Y 7M]
Professor and Head,
CSE, Sri Ramakrishna Institute of Technology (Autonomous), Coimbatore.

01-10-2014 to 30-09-2016 [2Y]
Associate Professor,
CSE, Sri Ramakrishna Institute of Technology (Autonomous), Coimbatore.

01-04-2011 to 30-09-2014 [3Y 6M]
Assistant Professor (Selection Grade),
CSE, Sri Ramakrishna Institute of Technology, Coimbatore.

01-08-2010 to 31-03-2011 [8M]
Assistant Professor (Senior Grade),
CSE, Sri Ramakrishna Institute of Technology, Coimbatore.

01-02-2008 to 31-07-2010 [2Y 6M]
Senior Lecturer, CSE, Sri Ramakrishna Institute of Technology, Coimbatore.

14-06-2004 to 31-01-2008 [3Y 7M 18D]
Lecturer, CSE, Sri Ramakrishna Institute of Technology, Coimbatore.

23-06-2003 to 28-02-2004 [6M 6D]
Lecturer, CSE, Arasu Engineering College, Kumbakonam.

19-06-2002 to 12-06-2003 [11M 25D]
Lecturer, CSE, P.R. Engineering College, Thanjavur.

14-07-1999 to 31-05-2002 [2Y 10M 18D]
Lecturer, CSE, Anjalai Ammal Mahalingam Engineering College, Kovilvenni.

Administrative Experience/Post(s) & Responsibilities held

Head of the Department [Since 1st October 2016)
CSE, Sri Ramakrishna Institute of Technology (Autonomous), Coimbatore.

Chairman, Board of Studies [Since 2017]
CSE, Sri Ramakrishna Institute of Technology (Autonomous), Coimbatore.

Member of Academic Council [Since 2017]
Sri Ramakrishna Institute of Technology (Autonomous), Coimbatore.

Member of Executive Council [Since 2017]
Sri Ramakrishna Institute of Technology (Autonomous), Coimbatore.

Chairman of Academic Advisory Committee [Since 2016]
CSE, Sri Ramakrishna Institute of Technology (Autonomous), Coimbatore.

Head, Academic Division [Since 2017]
Architecture and Computation Division,
Sri Ramakrishna Institute of Technology (Autonomous), Coimbatore.

Head, Research Cluster [Since 2017]
Advanced Computing Technologies Research Cluster,
Sri Ramakrishna Institute of Technology (Autonomous), Coimbatore.

NBA Coordinator for the Institution [Since 2010]
Sri Ramakrishna Institute of Technology, Coimbatore.

NAAC Coordinator for the Institution [Since 2014]
Sri Ramakrishna Institute of Technology, Coimbatore.

Academic Auditor for the Institution [Since 2014]
Sri Ramakrishna Institute of Technology, Coimbatore.

Member, Project Review Committee – CSE & MCA [Since 2008]
Sri Ramakrishna Institute of Technology, Coimbatore.

Coordinator, Strategic Planning [Since 2014]
CSE, Sri Ramakrishna Institute of Technology, Coimbatore.

Board of Examiners [Since 2005]
Anna University,
Karunya University,
St.Peters University,

Sri Ramakrishna Engineering College,
Sri Krishna College of Technology,
Sri Krishna College of Engineering and Technology,
SNS College of Technology.

Professor In charge for AICTE Approval Process of the Institution [Since 2004]
Sri Ramakrishna Institute of Technology, Coimbatore.

Professor In charge for Anna University Affiliation Process of the Institution [Since 2004]
Sri Ramakrishna Institute of Technology, Coimbatore.

Remote Centre Coordinator for IIT Bombay [Since 2013]
Sri Ramakrishna Institute of Technology, Coimbatore.

Professor In charge for the Resource Centre of Spoken Tutorial Project of IIT Bombay [Since 2013]
Sri Ramakrishna Institute of Technology, Coimbatore.

Professor In charge for Aakash Project Centre [Since 2013]
Sri Ramakrishna Institute of Technology, Coimbatore.

Administrator for G-Suite Applications for the Institution [Since 2013]
Sri Ramakrishna Institute of Technology, Coimbatore.

Professor In charge for the Learning Management System [Since 2013]
Sri Ramakrishna Institute of Technology, Coimbatore.

Professional Memberships/Affiliations

Professional Member
Institute of Electrical and Electronics Engineers (IEEE).

Life Member
Indian Society for Technical Education (ISTE).

Professional Member
Association of Computing Machinery (ACM).

Member
Computer Science Teachers Association (CSTA) of ACM, USA.

Member
Computer Society of India (CSI), India.

Member
Machine Intelligence Research Labs Networks (MIRLabs), USA.

Senior Member
Institute of Research Engineers and Doctors (IRED), USA.

Member
Internet Society (IS), USA.

Member
International Association of Computer Engineers (IAENG), Hong Kong.

Member
Confederation of Indian Industry (CII), India.

Memberships in Council/Community/Affinity Groups

Member - IEEE Young Professionals.

Member - IEEE Vehicular Technology Society.

Member - IEEE Biometrics Council.

Member - IEEE Council on RFID.

Member - IEEE Sensors Council.

Member - IEEE Special Interest Group on Humanitarian Technology (SIGHT).

Member - IEEE Computer Society Technical Community on Big Data.

Member - IEEE Computer Society Technical Community on Cyber Security.

Member - IEEE Computer Society Technical Community on Education.

Member - IEEE Computer Society Technical Community on Internet of Everything.

Member - IEEE Computer Society Technical Community on Operating Systems.

Member - IEEE Computer Society Technical Community on Social Networking.

Member - IEEE Computer Society Technical Community on Wearable and Ubiquitous Computing.

Member – IEEE Consultants Network.

Member – IEEE 5G Community.

Member – IEEE Symbiotic Autonomous Systems Community.

Member – IEEE Vehicular Technology Society Technical Community on Connected Vehicles.

Reviewer

International Journal Reviewer

- IEEE Access – A Multidisciplinary Open Access Journal (ISSN: 2169-3536)
- Elsevier - Journal of Pervasive and Mobile Computing (ISSN: 1574-1192)
- PLOS ONE - A Multidisciplinary Open Access Journal (eISSN: 1932-6203)

Awards and Honors

2018
Outstanding Contribution to Computer Science Education in South India Award.
International Accreditation Authority, New Delhi

2017
Biography Included in 2000 Outstanding Intellectuals of the 21st Century – 10th edition.
International Biographical Centre, Cambridge England.

2017
Outstanding Faculty in Engineering Award.
Centre for Advanced Research and Design, Venus International Foundation, India.

2014
Dr. Sarvepalli Radhakrishnan Award for Best Teacher.
SRIT Alumni Association, India.

Publications

Scholarly Publications

1. Jothi K R et.al, 2019, "A Novel approach for web usage prediction and recommendation using web session clustering", Journal of Computational and Theoretical Nanoscience, Volume 16, Issue 5, pp. 1916–1922. (Scopus Indexed) (Impact Factor :0.155)

2. Jothi K R et.al, 2019, "Qualitative Analysis of Models and issues in Recommender systems", Journal of Computational and Theoretical Nanoscience, Volume 16, Issue 5, pp. 1881–1888. (Scopus Indexed) (Impact Factor :0.155)

3. Jothi K R et.al, 2019, "Certain Investigations on Opulence Split Algorithm and Particle Swarm Optimization Algorithm for Task Scheduling in a Virtualized Cloud Environment", International Journal of Innovative Technology and Exploring Engineering, Vol 8, Issue 6, April 2019. (Scopus Indexed) (Impact Factor :0.15)

4. Jothi K R et.al, 2019, "Web Application for Accident Emergency in nearby Hospitals and Donor Locator", International Journal of Bioscience Biotechnology Research Communications, Special Issue BBRC Volume 12, Issue 2, pp. 56-60. (ESCI Indexed – Web of Science) (Impact Factor :0.65)

5. Jothi K R et.al, 2019, A Low-Cost Cloud based Smart Flood Detection and Alert System, International Journal of Bioscience Biotechnology Research Communications, Special Issue BBRC Volume 12, Issue 2, pp. 50-55. (ESCI Indexed – Web of Science) (Impact Factor :0.65)

6. Jothi K R et.al, 2019, Red Traffic Light Detection in An Image Using Hough Transform, International Journal of Bioscience Biotechnology Research Communications, Special Issue BBRC Volume 12 , Issue 2, pp.35-41. (ESCI Indexed – Web of Science) (Impact Factor :0.65)

7. Jothi K R et.al, 2019, "Intelligent Driver Assistant System: A survey", International Journal of Computer Sciences and Engineering, Vol.7, Issue.3, pp.848-853, 2019. (UGC Approved Journal)

8. Jothi K R et.al, 2018, "Model order reduction of heavy duty gas turbine power plants with field test parameters", International Transactions on Electrical Energy Systems, Vol 29, Issue 2. (SCIE Indexed) (Impact Factor :1.619)

9. Jothi K R, Ebenezer Jeyakumar A, 2015, 'Optimization and Quality-of-Service Protocols in VANETs: A Review', Proceedings of the Springer International Conference on Artificial Intelligence and Evolutionary Algorithms in Engineering Systems, Advances in Intelligent Systems and Computing 324, pp. 275-284.

10. Jothi K R, Ebenezer Jeyakumar A, 2015, 'Routing Optimization Security in VANETs using Adaptive Bees Life Algorithm for QoS-MRP and Batch Binding Update Scheme', Middle-East Journal of Scientific Research, vol. 23, no. 8, pp. 1839-1850. (Scopus Indexed) (Impact Factor :0.49)

11. Jothi K R, Ebenezer Jeyakumar A, 2015, 'An Effective Approach for Bio-Medical Data Transmission Using Hop Scheduled Data Dissemination Through VANET', Journal of Pure and Applied Microbiology, vol. 9, no. Special Edition, pp. 147-153. (Scopus Indexed) (Impact Factor : 0.073)

12. Jothi K R, Ebenezer Jeyakumar A, 2015, 'Multicast Routing Optimization through with Hybrid Bees Life Algorithm for Qos-MRP, Congestion and Collision Avoidance in VANETs', Australian Journal of Basic and Applied Sciences, vol. 9, no.13, pp. 604-617. (Scopus Indexed) (Impact Factor :0.15)

13. Jothi K R, Ebenezer Jeyakumar A, 2014, 'Advanced Novel Compact Assistant Sensor System in Vehicular Adhoc Network to Improve Road Safety Policy', International Journal of Applied Engineering Research, vol. 9, no. 23, pp. 21333-21349. (Scopus Indexed) (Impact Factor :0.13)

14. Jothi K R, Ebenezer Jeyakumar A, 2013, 'A Survey on Broadcasting Protocols in VANETs', International Journal of Innovative Technology and Exploring Engineering, vol. 3, no. 6, pp. 100-103. (Impact Factor :1.270)

15. Jothi K R, Oswalt Manoj S, Murali K, 2011, 'Impact analysis of climatic change on rainfall pattern using cloud images' presented and published in National Conference on Science of Climate Change and Earth's Sustainability: Issues and Challenges 'A Scientist-People Partnership', organized by The Society of Earth Scientists India, Lucknow, 12-14 September, 2011.

16. Jothi K R, Dr. P. Lakshmi Prabha, 2009, 'An Efficient Route Discovery and Route Maintenance in MANET using DRP' presented and published in ICACI-2009, An International Conference on Advanced Communication & Informatics, organized by Thanthai Periyar Government Institute of Technology, Vellore, during 11-01-2009 to 13-01-2009.

17. Jothi K R, Ramesh P, 2009, 'Agent Based Intelligent Intrusion Detection System (ABIIDS) for MANET' Paper presented at the National Conference on Systemic, Cybernetics, & Informatics-SCI-2009, Kongu Engineering College, Erode, India, during October 23 & 24, 2009.

18. Jothi K R, Dr.V.Lakshmi Prabha, 2009, 'Quadrant Based Directional Routing Protocol (Q-DIR) in MANET' Paper presented at the National Conference on

Advanced Computational Intelligence-NCACI-2009, Sri Ramakrishna Engineering College, Coimbatore, India, during 26 June 2009.

19. Jothi K R, Dr. V. Lakshmi Prabha, 2008, 'On Demand Directional Routing Protocol in MANET', published in CCCCA-2008, a National Conference on Communication Computation Control and Automation, organized by Sri Ramakrishna Institute of Technology, Coimbatore, during 24-04-2008 to 25-04-2008.

20. Jothi K R, Dr.V.Lakshmi Prabha, 2008, 'On Demand Directional Routing Protocol – A Cross Layer Interaction between Routing and MAC Layer for Efficient Route Discovery' Published in COFERRACE-2008, a National Level Conference on Frontier Research Areas in Communication, Computer and Control Engineering, organized by Kings College of Engineering, Thanjore, during 06-03-2008 to 07-03-2008.

21. Jothi K R, Sathyanarayanan, 2005, 'Digital Watermarking for Multimedia Data Hiding' published in NCEIS 2005, The Second National Conference on Modern Trends in Electrical and Instrumentation Systems at Government College of Technology, Coimbatore, during 09-03-2005 to 10-03-2005.

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Qualification	• PhD Information and Communication Engineering from Anna University 2016
	• ME Computer Science and Engineering, Sona College of Technology, Anna University, 2007, 81%
	• BE Computer Science and Engineering, ESEC, Bharathiya University, 2003, 80%
Area of Interest	• Data mining
	• Operating System
	• Database management system
	• Artificial Intelligence
Experience	• Sona College of Technology from September 2006 to till now
	• Lecturer in Paavai Engineering College from December 2003 to June 2004
R&D and Consultancy	• AICTE FDP on Software Defined Networks
	• Design and Development of web and mobile application for Railway CREW monitoring for Southern Railway during 2017-18.
	• Development of global product "AI to teach Communication Skills-Emotional growth App (Beta version- A Comprehensive brain trainer to stimulate children's emotional intelligence)"using NLP, jointly with VEE Technologies and BluPears, USA in the year 2016-17.

Publication:

International Journal

1. Krishnaveni, V and Anitha Elavarasi, S, Prediction of Disease Severity Using Machine Learning Algorithm (November 15, 2017). Proceedings of the International Conference on Intelligent Computing Systems (ICICS 2017 –

Dec 15th - 16th 2017) organized by Sona College of Technology, Salem, Tamilnadu, India. Available at SSRN: https://ssrn.com/abstract=3134279 orhttp://dx.doi.org/10.2139/ssrn.313 4279 (Elsevier SSRN)

2. S.Anitha Elavarasi, J.Akilandeswari, Cosine Based Partition Algorithm for Clustering Breast Cancer Data , International Journal Of Applied Engineering Research (IJAER), 10, 4, Page 16,769 - 16,785, 01-Apr-2015 : ISSN 0973-4562. Indexing: Scopus, Ebscohost, Google Scholar, Journalseek, J-Gate, Ici, Index Copernicus Ic Value 82.67 And Ugc Approved Journal - 2017 (Journal No. - 64529)

3. S.Anitha Elavarasi, J.Akilandeswari ,Occurrence Based Categorical Data Clustering Using Cosine And Binary Matching Similarity Measure." , Journal Of Theoretical And Applied Information Technology, volume 68, Number 1, ISSN: 1992-8645, Page 208 - 214, 01-Oct-2014. (SCOPUS)

4. S.Anitha Elavarasi, J.Akilandeswari ,Term Frequency Based Cosine Similarity Measure For Clustering Categorical Data Using Hierarchical Algorithm , Research Journal Of Applied Science, Engineering And Technology, 1, 11, Page 798-805, 01-Oct-2015. 805 ISSN: 2040-7459; e-ISSN: 2040-7467 (SCOPUS)

5. S.Anitha Elavarasi, Dr.J.Akilandeswari, Survey on Clustering Algorithm and Similarity Measure for Categorical Data , ICTACT Journal On Soft Computing, 4, 2, Page 715 - 722, 01-Jan-2014.

6. S.Anitha Elavarasi, Menaga Ontology based Semantic Similarity Measure using Concept Weighting , International Journal Of Computer Applications (IJCA) Proceedings On International Conference On Knowledge Collaboration In Engineering, ICKCE, , Page 15 - 20, 01-Apr-2014.

7. S.Anitha Elavarasi, Dr. J. Akilandeswari, Categorical Data Clustering using Cosine base Similarity for Enhancing the Accuracy of Squeezer Algorithm , International Journal Of Computer Applications (IJCA), 45, 20, Page 41 - 45, 01-Jun-2012. (Google Scholar, Informatics, ProQuest CSA Technology Research Database, NASA ADS)

8. S.Anitha Elavarasi, I.Anbarasu ,A Survey on Test Case Generation and Extraction of Reliable Test Cases , The International Journal of Computer Science & Applications(TIJCSA), 1, 10, Page 1 - 8, 01-Dec-2012.

9. S.Anitha Elavarasi, Dr.J.Akilandeswari, Dr.B.S.Sathiyabhama ,A Survey on Partition Clustering Algorithms , International Journal Of Enterprise Computing And Business Systems, 1, 1, Page 1 - 14, 01-Jan-2011.

International Conference

1. S.Anitha Elavarasi, Dr.J.Akilandeswari ,Clustering Gene Expression Data Using Shannon's Entropy . International conference on Recent Trends in Information Technology (ICRTIT 2011), MIT, 05-Jun-2011, Page - , 05-Jun-2011.

2. S.Anitha Elavarasi, R.Ranjani, J Akilandeswari ,Modified Squeezer Algorithm for Categorical Data using DISC measure , International Conference on Advanced Computing, Networking and Security (ADCONS 2011).. National Institute Of Technology Karnataka, Surathkal, 18-Dec-2011. Page - , 16-Dec-2011.

3. S.Anitha Elavarasi, M V.Chitra, J Akilandeswari ,Simulated annealing Based K-Means algorithm for Mixed Dataset , International conference on

Engineering, Science and Technology (ICEST2011), Dhanlakshmi Srinivasan Engineering College, 08-Apr-2011, Page - , 07-Apr-2011.

4. S.Anitha Elavarasi, J Akilandeswari, V.Niruba ,Validation of Clustering Algorithms using Indices , International Conference on Information communication &Embedded Sytem(ICICE 2012), S.A.Engineering College, 25-Feb-2012, Page - , 24-Feb-2012.

5. S.Anitha Elavarasi, J Akilandeswari and K Menaga , Ontology based Semantic Similarity Measure using Concept Weighting , International Conference on Knowledge Collaboration in Engineering ICKCE, Kathir College Of Engineering, 20-Apr-2014, Page - , 15-Apr-2014.

6. S.Anitha Elavarasi, Swarnalakshmi ,"Performance Analysis Of Cosine Based Clustering Algorithm For Textual Domain" , IEEE Sponsored 2nd International conference on Innovations in Information, Embedded and Communicatio, Karpagam College Of Engineering, Coimbatore, 20-Mar-2015, Page - , 19-Mar-2015.

7. S.Anitha Elavarasi, J.Akilandeswari ,Categorical Data Clustering using Frequency and , The International Conference on Inter-Disciplinary Research in Engineering and Technology 2014, PROFESSIONAL GROUP OF INSTITUTION, 22-Aug-2014, Page - , 21-Aug-2014.

National Conference

1. Anitha Elavarasi S , Dr. Jayanthi, G Priyanka, T Dharnika, "An Overview Of The Indian Mst Radar And Its Applications", Naciss-17, Sona college of Technology ,Computer Science and Engineering April 2017.

2. S.Anitha Elavarasi, N.Sathish, J.Swedha, G.Yuvan sankar, "DETECTION OF TRAJECTORY OBJECT USING MASK R-CNN, YOLO AND FASTER R-CNN" 7th National Conference on Computational Intelligence, Security and Systems (Nac-ciss-19), Sona college of Technology ,Computer Science and Engineering 9th March 2019.

Book / Book chapters:

- Programming Language support for Implementing Machine Learning Algorithms," Handbook of Research on Applications and Implementations of Machine Learning Techniques, IGI Global, 2019

- Current Trends: Machine Learning and AI in IoT." Integrating the Internet of Things into Software Engineering Practices. IGI Global, 2019. PP 181-198 DOI: 10.4018/978-1-5225-7790-4.ch009

Other Credentials:

- Completed a NPTEL course on "Data science for Engineers " between January and March 2019

- Completed a NPTEL course on "Introduction to IoT",(Elite Topper Award - top 2%) between July and October 2018

- Acting as a resource person in the AICTE sponsored FDP on "Operating System" at Sona College of Technology, SALEM

PROFILE

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Education

- B.Sc. (Mathematics), PSG College of Arts and Science, Coimbatore
- M.C.A, PSG College of Technology, Coimbatore

Business

CEO of a Software concern SELSOFT which provides various software solutions to Exporters, Manufacturers & Traders for managing Supply Chain Management, Process Planning and Management , Cost Planning and Budget Control

Honorary Post

- President Tirupur IT Association
- Zonal Web Master
- District Internet Communication Officer

Industry Experience 30 years

PROFILE

K.N. VANI

Principal in Education, Training & Assessment unit (ETA) at Infosys Mysore.

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Currently Working as Principal in Education, Training & Assessment unit (ETA) at Infosys Mysore Development Centre from Oct 2004. Prior to Infosys, I had worked in a couple of engineering colleges such as Vellore Engineering College for about 2 years and Amrita University in Coimbatore for about 7 years.

I conduct training for freshers at Mysore DC and role based training for specific project requirements in Java, BI Tools, Agile DevOps etc.

I handle Campus Connect for Mysore DC which includes 20 esteemed institutions in and around Coimbatore and Mysore.

My skill set includes ranging from Programming in C, Object Oriented concepts, Python, Java Technology, HTML, JavaScript, XML, Java Server Pages, Java server Faces, Struts framework 2.0 and Business Intelligence.

I have received few excellence awards at Infosys:

1. Received Certificate for Appreciation for Education Assurance Program at E&R (Campus Connect) in 2010
2. Received Bravo Award for Campus Connect in 2010
3. The Certificate of Excellence for Significant Performance to Spark Program in 2011
4. Certificate of Appreciation for having demonstrated continued commitment to achieve excellence and success in Campus Connect in 2013.
5. Best FP Educator at Mysore training in 2016