Curriculum Vitae

Dr. Sasikumaran Sreedharan

Former Full Professor & Chairman,
Computer engineering   department,
College of Computer Science,
King Khalid University,Ministry of Education,
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House no 45A,Adarsh nagar,
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Trivandrum, Pin code : 695004
Kerala, India

Contact Number :9539174355

Age &Date of birth :

66 years, 05-06-1951

Education:

1**.**Ph.D., Computer science& Engineering , University of Roorkee (Indian Institute of

Technology) Roorkee (India) (Full Time)

2.Msc(Engg),Electrical Engineering,Kerala university(India) (Full Time)

3.Bsc(Engg),Electrical Engineering,Kerala university(India)(Full Time)

Experience As Chairman of Department:

➢ Saudi Arabia:King khalid University-10 years
➢ India: CUSAT)-4 years

Academic experience (38 Years, Full Time)

1.Professor & Chairman , Department of computer engineering, King Khalid university, Abha,
Aseer, KSA from 2005- June 2017
2.Professor, Amman Arab University for Graduate Studies, Amman, Jordan
3.Professor, Philadelphia university, Amman ,Jordan

4.Professor,Multimedia university, Malaysia
5.Professor, Institute of Management ,Trivandrum(IMG), Kerala (India)
6.Reader & Head of Information Technology Department, Cochin University for Science & Technology(CUSAT), Kerala(India) ,
7.Assistant professor, National Institute of Technology(NIT), Calicut, Kerala (India)
8.Senior Lecturer National Institute of Technology(NIT),Calicut, Kerala   (India)
9.Lecturer National Institute of Technology(NIT), Calicut, Kerala (India)

Non-academic experience :(Consultancy -Part time)

• Served as IT Consultant to Government Departments, Government of Kerala,[India]
• Consultant to Educational institutions/computer training centers for setting up computer labs, starting of new training programs
• Consultant to Engineering institutions for overall Quality Improvement and accreditation.

Research Guidance

1.Research supervisor, Computer science, MS University, Tirunelveli, Tamil Nadu

  (India)

2.Phd thesis Evaluator

3.Several Master Level projects/Thesis Evaluated

4.Guided many U G and PG level projects

Editorial board member & Conferences

1. International journal of Communication Networks and information security

   (IJCNIS),Pakistan.

2. International e-Journal of Abstract and Applied Engineering

    Mathematics(IeJAAEM),Calcutta ,India. http://www.ieems.org

3. CSC Press, Computer Science Journals Kuala Lumpur, Malaysia

4.Technical   Committee member of International Conferences

Subjects Taught at UG/PG Levels

- Operating Systems

- Computer architecture/Organization

- Computer graphics

- Data Structures

- Real time systems

- Artificial Intelligence

- Computational geometry

- Computer Vision

- Microcontroller design

- Management information systems

- Parallel processing

- Computer aided software engineering

- Java programming

- C Language & C++

- Systems Analysis And Design

- Project management

- Computer Networks

- Distributed Systems

Current membership in professional organizations:

- Fellow, Institution of Engineers (India) & Chartered engineer(India)
- Life member, Computer society of India
- Senior Member, IEEE (USA)
- Member ,ACM(USA)

Research & Service activities:

- • Approved Ph.D. Supervisor MS University, Tamil Nadu (India).

- • Guided many B.Tech,M.Tech and MCA Students for the final projects.

- • Serving as PhD Thesis Evaluator For different Indian Universities.

Academic development and Administration

As chairman of Department of King Khalid University, I Have been experienced to different administrative portfolios such as:

- Budgeting and Financial planning
- Planning activities of various committees
- Implementation of university policies
- Student management
- Recruitments of staff and other academic and administrative responsibilities
- Curriculum Development

Assessment & Accreditation Experience:

Program Coordinator of the Assessment and Accreditation Committee, which lead to the ABET (USA) accreditation of Computer engineering program of King Khalid university (KKU) & NCAAA (National Commission for Academic Accreditation & Assessment) of Saudi Arabia. I am also member of College level Quality Committee for overseeing activities related to ABET & NCAAA documents preparation for Accrediting 3 degree programs under college of computer science. Well versed with all the Accreditation criteria's that involve:

- Preparation of Self Study report (Program Outcomes & Continuous Improvement).
- Development of Quality Assessment Plan.
- Faculty Awareness & Training Programs, including organizing & delivering Workshops.
- Development of Course Outcomes & Mapping of Course Outcomes with Program Outcomes.
- Preparation &Revision of Self Study Report.
- Development & Analysis of Program Assessment Techniques including Rubric Based analysis.
- Preparation of Course Files

Curriculum development:

I have proposed two undergraduate programs:

- Btech (4 year) degree course In information Technology,first time In india in the year 1993**.**The department was established by me,In Cochin University of Science and Technology(CUSAT),India. And was responsible for setting up the department and held the position as Head of the department
- Bsc degree(5 year) course in Computer Engineering in King Khalid university,Saudi Arabia in the year 2008. The department was established by me and I became Chairman of the department since then and continuing and was fully responsible to set up the department.

Committee activities at king khalid university:

I was member in many academic committees related academic planning, course approval, lab development& management, Research, Industry interaction, Training, student matters. At king Khalid university , I have served the following academic committees:

- ➢ Member, College council
- ➢ Chairman, Department council,
- ➢ Chairman, knowledge area group
- ➢ Chairman, Research committee
- ➢ Chairman, PG Committee
- ➢ Chairman, Examination Committee
- ➢ Chairman, Curriculum and Quality
- ➢ Chairman, Recruitment committee
- ➢ Chairman, Project committee

Areas of research:

Real time systems, Software quality, Sensor networks and Quality & Education management

Research papers :

1.R.C Joshi,K.Nath,S.Sasikumaran,Volumetric representation: a technical for representing and manipulating 3-D objects, National workshop on Robotics, Department of science and

Technology, Government of India &confederation of engineering industries, Pune ,India,29-30April,1987

2.R.C Joshi, H.Darbari, S.Goel, S.Sasikumaran, A hierarchical hex-tree representational technique for solid modelling, computers and graphics, Pergamon press,1988, volume 12, no.2, pp235-238

3.S.Sasikumaran,A general hidden line elimination algorithm for solid modelling, National conference on frontiers in business computing, Computer society of India, Trivandrum, India, 27-29 April, 1989

4.S.Sasikumaran,Computation of integral properties of hex-tree represented solid models, international conference, signals & systems', Abeokuta,Nigeria,1990

5.Varghese Paul,S.Sasikumaran,K.Paulose Jacob,Reliability improvement of SCADA system used for electrical network control by incorporating exception handling technique, International conference conducted by Roorkee university,3-5 dec,1997

6.Varghese Paul,S.Sasikumaran,K.Paulose Jacob,Software safety and reliability prediction to achieve fault tolerance in real time systems, International seminar on safety & fire engineering, Cochin, India, November24-26,1999

7.S.Sasikumaran,Information technology as an infrastructural tool of development,National workshop on technologies for sustainable development, Energy conservation Society, Trivandrum, 14 Nov, 2000

8.Sasikumaran Sreedharan, Ranjit Biswas,A multiphase approach for recognition of handwritten Arabic characters,   Asian journal of IT,2004, Volume 3(11),pp1180-1187

9.Sasikumaran Sreedharan, A framework for an intelligent Tourist Information system-An E governance perspective, Journal of Business studies, University of Kerala(India),December 2004, pp 21-26

10.P.W.C Prasad,M.Raseen,S.Sasikumaran,Delay Minimization in Pass Transistor logic use of Binary Decision Diagram, International Conference on Information Technology, Al-Zaytoonah-University, Amman, Jordan, 3-5 May,2005

11.V. M. Vaidyan, V. Shijohb, S. Sasikumaran,Energy Saving Scheme for Steel Rolling Mills in Steel Manufacturing System with H∞ Stabilization in Parameter Uncertainties, IEEE Conference on Systems, Process & Control (ICSPC2013), 13 - 15 December 2013, Kuala Lumpur, Malaysia

12.Phiros Mansur,Sasikumaran.S,Survey of Prediction Algorithms for Object Tracking inWireless Sensor Networks, IEEE International Conference on Computational Intelligence and Computing Research,DEC 18 - 20, 2014

13.Saley M K,Sasikumaran.S,A survey of software reliability growth models using non-parametric methods, IEEE International Conference on Computational Intelligence and Computing Research,DEC 18 - 20, 2014

14. Saley M K,Sasikumaran S, Accuracy of Artificial Neural Network Models of Software Reliability Growth – A Survey, International Conference on Advances in Computing,Communications & Informatics, 10–13August, 2015

15.Saley m k,Sasikumaran sreedharan, A Novel Approach for Forecasting Latent Defects with Software Reliability Growth Models, International Journal of Service Computing and Computational Intelligence (IJSCCI),India,2015

16.Phiros Mansur, Sasikumaran Sreedharan,Fuzzy based clustering techniques for object tracking in wireless sensor networks:A Survey , International Journal of Service Computing and Computational Intelligence (IJSCCI),India,2015

17. B.S.Charulatha, PaulRodrigues, T.Chitralekha, ArunRajaRaman, Sasikumaran Sreedharan,Neural modeling and Content Extraction, IEEE ,Second International Conference on Soft Computing and Machine Intelligence, Hong kong, 2015

18.Phiros Mansur, Sasikumaran Sreedharan Fuzzy Logic and Data Mining Combined Method for Prediction in Wireless Sensor Networks " International Journal of Service Computing and Computational Intelligence (IJSCCI),India,2017

19.Saley m k,Sasikumaran sreedharan, Activation Function in ANN SRGM,, International Journal of Service Computing and Computational Intelligence (IJSCCI),India,2017,

20.Paul Rodrigues, Sasikumarn Sreedharan, Syed Asif Basha and Pc Senthil Mahesh, Security Threat Identification using Energy Points**,**IEEE International Conference on Anti-Cyber Crimes (ICACC 2017), King Khalid University on 26-27 of March 2017

21.M.K.Chae,Abeer Alsadoon,P.W.C.Prasad and Sasikumaran Sreedharan, Spam Filtering Email Classifications(SFECM) using Gain and Graph Mining Algorithm, IEEE International Conference on Anti-Cyber Crimes (ICACC 2017), King Khalid University on 26-27 of March 2017.
 22. Farhad Yasir, P.W.C. Prasad, Abeer Alsadoon, A. Elchouemi, Sasikumaran Sreedharan, Bangla Sign Language Recognition using ConvolutionalNeural Network, IEEE 2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies, kannur,6-7 july,2017

23. Sakina Fatima, Angelika Maag, P.W.C. Prasad, Abeer Alsadoon, A. Elchouemi, Sasikumaran Sreedharan, An Evaluation of Levels of Motivation after a first Semester Experience: The Case of International Students with High Expectations, IEEE 2017 International

Conference on Intelligent Computing, Instrumentation and Control Technologies,kannur,6-7 july,2017

24. Babita D. Jakkampudi,Angelika Maag, P.W.C. Prasad, Abeer Alsadoon, A. Elchouemi, Sasikumaran Sreedharan, Great Expectations: Levels of Motivation of
International Students on Arrival in their Country of Study, IEEE 2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies,kannur,6-7 july,2017

25. P. W.C. Prasad,Cheng Wang ,Angelika Maag,Abeer Alsadoon,Amr Elchouemi,Sasikumaran Sreedharan ,The Effect of Considering Individual Learning Processes When Creating Online Learning Environments, IEEE TENSYMP 2017 – Technologies for Smart Cities,14-16 july 2017,Kochi,Kerala

26. Fauzia Fazana,Abeer Alsadoon ,P. W. C. Prasad ,Nectarios Costadopoulos,Amr Elchouemi ,Sasikumaran Sreedharan, Integration of Assistive and Wearable Technology to Improve Communication, Social Interaction and Health Monitoring for Children with Autism Spectrum Disorder (ASD), IEEE TENSYMP 2017 – Technologies for Smart Cities,14-16 july 2017,Kochi,Kerala

27.Early Detection of Lung Cancer using SVM Classifier in Biomedical Image processing,Deep Prakash Kaucha , P.W.C. Prasad , Abeer Alsadoon , A. Elchouemi , Sasikumaran Sreedharan, IEEE "International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI-2017)"21-22 September 2017,Chennai,India (submitted)

28.Modified LEACH algorithm for Wireless Sensor Networks in Agricultural field,Rabin Regmi , P.W.C. Prasad , Abeer Alsadoon , A. Elchouemi , Sasikumaran Sreedharan , IEEE "International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI-2017)"21-22 September 2017,Chennai,India (submitted)

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27th,July,2017