

[About SRM](#) +[Admission](#) +[Academics](#) +[Research](#) +[Campus Life](#) +[Placements](#) +[Group Institutions](#) +[Home \(/\)](#) » [Engineering \(/Academics/Engineering\)](#) » [Ece \(/Engineering/Ece/Faculty/M-Sangeetha\)](#) » [Dr. M. Sangeetha](#)**DR. M. SANGEETHA****Dr. M. Sangeetha**

Associate Professor

**Email ID:** [sangeetm@srmist.edu.in](mailto:sangeetm@srmist.edu.in) (<mailto:sangeetm@srmist.edu.in>)**Area:** Communication Systems**Affiliation:** Department of Electronics and Communication Engineering, Kattankulathur Campus, SRM Institute of Science and Technology (formerly known as SRM University)**Education**

|      |  |  |
|------|--|--|
| Ph.D | Chaos Communications                   | SRM Institute of Science and Technology (formerly known as SRM University), 2014 |
| M.E. | Communication Systems                  | SRM Institute of Science and Technology (formerly known as SRM University), 2010 |
| B.E. | Electrical and Electronics Engineering | Mahendra Engineering College, PeriyarUniversity, 2004                            |

**Other Details:****Courses**

Handled Theory session for the following topics for UG

- Basic Electronics
- Electromagnetic field theory and Waveguides
- Digital Signal Processing
- Digital Communications
- Microwave and RF design
- Data Communication and Computer Networks
- Wireless Communications

Handled Theory session for the following topics for PG:-

- Coding Theory
- Ultra Wide Band (UWB)
- Multiple Input Multiple Output (MIMO)
- Multiuser Detection

**Research Interests**

- Signal Processing Applications for Wireless Communications, Chaos Communication systems , Internet of Things (IOT) and Machine Learning Algorithms for IOT

Research Guidance

→ Ph.D. Guidance - 5 Ongoing (2 Part time and 3 Full time Scholar)

→ M.Tech Guidance – 08

### Funded Project

→ Received a fund of Rs 46,386, for a duration of 4 months on Jan. 2020 from SRM Innovation and Incubation Center(SIIC) of SRM Institute of Science and Technology for the Inhouse Project Titled: Design and Development of Crop Quality Monitoring System Using IoT and Blockchain.

→ Received a fund of Rs 48,000, for a duration of 8 months on Sep. 2019 from SRM Institute of Science and Technology for the Inhouse Project Titled: Water Quality Measurement and Monitoring System using IIOT.

→ 'Design and Development of Chaos Radio System using SR-DCSK Scheme' under NI-AWR Sponsored Project, One User License of AWR Tool Worth of Rs.38 lakhs is provided and installed in the Research lab, Department of ECE, SRM Institute of Science and Technology (formerly known as SRM University), May. 2016

### Patents

→ Patent Application No. : 202041020203 "A System and Method for Power Generation and Location Estimation of a Wireless Device" Filed on May 13, 2020 and Published on Oct 16, 2020, by Aman Malhotra, Abhishek Malhotra and M. Sangeetha

→ Patent Application No.: 201941043354 : A System and Method for Transmitting a Radio-Frequency Signal over a Channel, Published on Nov. 1, 2019, by Aman Malhotra; Harshit Gaur; M. Sangeetha

### Selected Publications

#### Journals

→ Sangeetha Manoharan and Parth Natu (in press) , "Development of a Framework for Collaborative and Personalized Voice Assistant," Electronic Government, an International Journal, DOI: 10.1504/EG.2021.10030774. (SNIP: 0.946)

→ Sangeetha, M., Bhaskar, V., "Improved Non-coherent Communication Systems Using Noise Reduction Chaotic ON-OFF Keying (NR-COOK) Techniques" Wireless Personal Communication-An International Journal, Vol. 113, no. 2, pp. 1297-1314, April 2020. (SCI Impact Factor: 0.929)

→ Cherian A.D., Aman Nair S., Janardhanan A., Gupta Y., Sangeetha M., "Development of a Novel Embedded Board: CANduino," Advances in Intelligent Systems and Computing, Springer, Vol 1056, pp. 115-124, Feb. 2020. (SNIP: 0.434)

→ Vijayakumar Ponnusamy, Abhijit Sridhar, Arun Baalaji, and M. Sangeetha, "A Palm Vein Recognition System based on a Support Vector Machine," IEIE Transactions on Smart Processing and Computing, vol. 8, no. 1, pp. 1-7, Feb. 2019.

→ P. Vijaya Kumar, Kshema Maria George, Akhil Krishnan Nair and M. Sangeetha, "Palm Vein Image Classification using Neural Network," International Journal of Recent Technology and Engineering (IJRTE), Vol.7, No.452, pp. 122-124, Dec. 2018

→ Sangeetha, M., Bhaskar, V., Muthamizhchelvan, C. and Murali, K., "BER performance analysis of compound chaotic sequence (CCS)-based NR-DCSK system under multipath fading channel," Sādhana Academic Engineering Press, Vol.43, No.120, pp.1-11, Aug. 2018. (SCI Impact Factor: 0.592)

→ Abhinav Gandhi and M. Sangeetha, "Development of an Image Processing Algorithm for Smart CNC Machines," IEIE Transactions on Smart Processing and Computing, vol. 7, no. 3, pp: 232-235, June 2018.(Scopus Indexed)

→ Sangeetha, M. Bhaskar, V., "NR-DCSK Based Chaotic Communications in MIMO Multipath Channels," Wireless Personal Communications-An International Journal, pp.1-16, May 2018. (SCI Impact Factor: 1.2)

→ M. Sangeetha, Toshiba Chamoli and P. Vijayakumar, "BER Performance Analysis of Short Reference Differential Chaos Shift Keying Scheme Using Various Maps Over Different Channel Conditions," Wireless Communication Networks and Internet of Things, Part of the Lecture Notes in Electrical Engineering, Springer Publications, vol.493, pp.197-206, May.2018.(SNIP:0.118)

→ Sangeetha Manoharan, Niharika Saraff, Akanksha Kedia and Kasturi Laxmi Saroja, "NR-DCSK-Based MIMO Chaotic Communication System," Wireless Communication Networks and Internet of Things, Part of the Lecture Notes in Electrical Engineering, Springer Publications, vol.493, pp. 207-215, May.2018.(SNIP:0.118)

→ Sangeetha Manoharan, " Smart Supply Chain Management using Internet of Things (IOT)," International Journal of Systems Control and Communications, vol.9, no.2, 99. pp.172-184. Jan 2018. (SNIP: 0.235)

→ S. Thananjaya Chakravarthy and M. Sangeetha, "Generation of Galileo 'E1 Signals' at Ground Station for Acquisition and Tracking," International Journal of Control Theory and Applications, vol.10, no.16, 2017. (SNIP:1.269)

→ M.Sangeetha,P. Vijayakumar, B. Madhukar Krishna and U. Sai Krishna," Real-Time Ambience Sensing and Image Authentication Using Internet Of Things (IOT) In a Fleet Tracking System, Indian Journal of Science and Technology" 9(33), pp-1-8, Sep.2016 (SNIP:1.289)

→ S. Kalaivanan, Sangeetha Manoharan, "Monitoring and Controlling of Smart Homes using IoT and Low Power Wireless Technology," Indian Journal of Science and Technology, vol.9, no. 31, pp.1-9, Aug. 2016. (SNIP:1.289)

→ Manoharan Sangeetha, Goutham Raj Vijayaragavan, R.L.Ragahv, K.P, Phani, "Design and Development of Cost Effective Wearable Glove for Automotive Industry," Advances in Intelligent Systems and Computing, Springer Publications, vol.435, pp. 123-131, Feb.2016.(SNIP:0.14)

- Vignesh Ganesan and Sangeetha Manoharan, "Surround Noise Cancellation and Speech Enhancement using Sub Band Filtering and Spectral Subtraction", Indian Journal of Science and Technology, Vol.8, no.33, Dec 2015.(SNIP:0.829)
- Vignesh Ganesan and Sangeetha M., "Stereo Channel Decorrelation Using a Combined Psychoacoustic Approach," International Journal of Applied Engineering Research, vol. 10, no. 6, pp. 5011-5014, March 2015. (SNIP: 0.166)
- M. Sangeetha, Vidhyacharan Bhaskar, "PN Codes versus Chaotic Codes: Performance Comparison in a Gaussian Approximated Wideband CDMA System over a Weibull Fading Channel" Journal of the Franklin Institute, vol. 351, no. 6, pp. 3378-3404, June 2014.(SCI Impact Factor: 2.418)
- M. Sangeetha, Vidhyacharan Bhaskar, and Annrose Cyriac, "Performance analysis of Downlink W-CDMA systems in Weibull and Lognormal fading channels using chaotic codes," International Journal on Wireless Personal Communications, vol. 74, no. 2, pp. 259-283, Jan. 2014. (SCI Impact Factor: 0.979)
- M. Sangeetha and Vidhyacharan Bhaskar, "Performance Analysis of Subspace based Downlink Channel Estimation for W-CDMA systems using Chaotic Codes," International Journal on Wireless Personal Communications, vol. 71, no. 1, pp. 1-21, July 2013.(SCI Impact Factor: 0.979)
- M. Sangeetha and Vidhyacharan Bhaskar, "Performance Comparison of various Chaotic Maps in CDMA-DCSK Multiuser SISO Systems," International Review on Computers and Software (IRECOS), vol. 7, no. 7, pp. 3402-3408, Dec. 2012. (SNIP: 0.722)

#### International Conferences

- Ananya Nunna, Tarun S, Arundhati Varma, Rubesh Kumar N and Sangeetha M, "Classroom Automation using RSSI," Proceedings of 2019 IEEE 1st International Conference on Energy, Systems and Information Processing (ICESIP 2019), at (IIITD&M) Kancheepuram, Chennai, July 04-06, 2019.
- Ali Shahbaaz Khan, Amrit Das, Piyush Jaipuriyar, Akarsh Shrivastava and M.Sangeetha, "Artificially Enhanced Tele-Operated Humanoid Robot," Proceedings of 13th INDIACOM-2019, 2019 6th International Conference on Computing for Sustainable Global Development, Bharati Vidyapeeth's Institute of Computer Applications and Managements (BVICAM), New Delhi(India), pp. 1158-1162, March 13-15, 2019.
- Pyla Raja Mohan and M. Sangeetha, "Calculation of Capacity, Spectral Efficiency, Bit Error Rate in Chaotic Cognitive Radio System with Subcarrier Shifting in OFDM-MIMO" Proceedings of 7th IEEE International Conference On Communication and Signal Processing, Adhiparasakthi Engineering College, Melmaruvathur, pp. 503-506, April 3-5, 2018.
- M. Sangeetha, Abhinav Gandhi and Prashant Kumar, "Design Of a Non-Invasive, Inclusive End-Effector For The Upper Human Limb," Proceedings of International Conference On Automation, Robotics And Mechatronics (ICARM-17), SRM Institute of Science and Technology (formerly known as SRM University), Chennai, pp. 22, May 5-6, 2017
- M.Sangeetha, Himanshu Ginkal, Aparachakraborty and Nanditha Sundararajan, "Real Time Microclimatic Condition Monitoring System using IOT," Proceeding of Third International Conference on Innovative Trends in Technology and Management (ICITM-2017), Kalasalingam University, Virudunagar, pp. 17, March 30th & 31st, 2017.
- M.Sangeetha and Toshiba Chamoli, "Design and Development of Chaos Radio System Using Short Reference Differential Chaos Shift Keying," Proceeding of 3rd Inter Academia AsiaS Conference, SRRM University, Chennai, India in association with Shizuoka University, Japan, Nov 28-30, 2016.
- S.Kalaivanan and M.Sangeetha, "Monitoring and controlling of smart homes using IOT and low power wireless technology," Proceedings of the IEEE Sponsored 3rd International Conference on Innovations in Information Embedded and Communication Systems (ICIIECS'16), Coimbatore, India, pp. 235-238, March 17, 2016.
- S.Yuvaraj and M.Sangeetha, "Smart Supply Chain Management using Internet of Things(IoT) and Low Power Wireless Communication Systems," IEEE International Conference on Wireless Communication, Signal Processing and Networking (WiSPNET), Chennai, India, March 23-25, 2016.
- M.Vijayalakshmi and M.Sangeetha, "Comparison of Image based and Laser based Technique for Non Contact Heart Beat Monitoring System," IEEE International Conference on Wireless Communication, Signal Processing and Networking (WiSPNET), Chennai, India, March 23-25, 2016.
- M. Sangeetha and Vidhyacharan Bhaskar, "PN Codes Vs Chaotic sequences: BER Comparison Perspective.", 2nd World Congress on Information and Communication Technologies, Trivandrum, India, October 30th, 2012.
- M. Sangeetha, Vidhyacharan Bhaskar, James Albert Pushparaj, "Outage Probability Analysis in multiuser MIMO Systems under Weibull Fading Environment", 2nd World Congress on Information and Communication Technologies, Trivandrum, India, October 30th, 2012
- M. Sangeetha and Vidhyacharan Bhaskar, "EGC Diversity Incorporated BER Performance Analysis of M-DCSK Schemes in MIMO Nakagami Channels", International Conference on Computational Intelligence, Part 1, vol.292, pp. 74-83, August 2012.
- M. Sangeetha and Vidhyacharan Bhaskar, "Performance Comparison of M-DCSK schemes in MIMO Nakagami channels with and without diversity combining", Proceedings of the International Conference on Advances in Computing, Communications and Informatics, vol. 1, pp. 673-677, August 2012.
- M. Sangeetha and Vidhyacharan Baskar, "Downlink blind Channel Estimation for W-CDMA systems and Performance analysis under various Fading Channel Conditions," Proceedings of International Conference on Communication and Signal Processing DOI:10.1109/ICCSP.2011.5739363, NIT, Calicut, Feb. 2011.

#### National Conferences

- Kushboo Pareek, Sangeetha, M., Suvarna Ravindra Babu, "Generation of E1 Signal Using Binary Offset Carrier (BOC) Modulation," IETE 45th Midterm Symposium on Broadband Technologies and Services for Rural India, SRM Institute of Science and Technology (formerly known as SRM University), Chennai, pp. 202-205, 4th -5th April 2014.
- Sindhu Bala, and Sangeetha, M., "Performance Analysis of Passive Phase Conjugation for SISO Based OFDM System," IETE 45th Midterm Symposium on Broadband Technologies and Services for Rural India, SRM Institute of Science and Technology (formerly known as SRM University), Chennai, pp.199 -201, 4th -5th April 2014.
- Aditi Soni, Sangeetha, M., and Suvarna Ravindra Babu, "Real time Integration of Global Positioning System and Inertial Navigation System for Smart Phone," IETE 45th Midterm Symposium on Broadband Technologies and Services for Rural India, SRM Institute of Science and Technology (formerly known as SRM University), Chennai, pp. 206 -209, 4th -5th April 2014.
- Kavitha K., and Sangeetha, M., "Intelligent Cane Robot," National Conference on Emerging Trends in Electronics and Communication Engineering," in New Prince Shri Bhavani College of Engineering and Technology, Chennai, April 16th 2014.
- Vasanthy T., and Sangeetha, M., "Design and Implementation of Intelligent Energy Distribution Management with Mesh Topology," National Conference on Emerging Trends in Electronics and Communication Engineering," in New Prince Shri Bhavani College of Engineering and Technology, Chennai, April 16th 2014.

#### Conferences/Workshops/Seminars

- Attended 5-Day FDP on VLABs with PALS and NIT, Karnataka (Suratkal) , held during Aug. 10-14, 2020, in Virtual mode.
- Attended Webinar on "Virtual Labs: Effective Tool for Teaching and Learning" Organised in Association with AICTE & Virtual Lab, Centre for System Design, NITK Surathkal, held on July 10, 2020.
- Attended a webinar on "IEEE - ABET Webinar on Accreditation and Quality of Engineering Education in South Asia" organized by IEEE India Council conducted on 08 July 2020.
- Attended "International Workshop on Advanced Antenna Design Principles," Organised by Department of ECE, SSN Engineering College, Kalavakkam, Chennai, held during 25-27, June 2020.
- Attended 2-Day FDP (CURIOUS PROGRAM) conducted by IITM's HTIC MedTech Incubator on Sep.5 & 6, 2019 at IIT Madras Research Park, Chennai, India.
- Attended One day Workshop on "Python for Teachers" on Saturday, 22 June 2019, organized by the Teaching Learning Centre (ICT) at IIT Bombay, a scheme of 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching'.
- Attended One day Workshop on "Smart Classrooms:Technology-Aids for Effective Teaching and Learning" in collaboration with IIT, Bombay held on 22nd April 2019.
- Attended a Two day workshop on Paper, Project and Patent Writing , Organized by ISCA Chennai Chapter, at SRM Institute of Science and Technology on August 16 - 17, 2018.
- Attended a Workshop on "IoT and Smart Cities," conducted by Institute for Information Industry (III), Taiwan, at SRM Institute of Science and Technology, Kattankulathur, on March 13, 2018.
- Attended a Guest Lecture on "Doing Nanotech: Invent, Translate and Succeed"," Organized by ISCA Chennai Chapter, on Dec. 29, 2017
- Attended One day Workshop on New Methodology of NAAC, Conducted by Internal Quality Assurance Cell (IQAC), SRM University on Oct. 12, 2017.
- Attended a Workshop on Innovation Management and Intellectual Property Rights, Organized by Dept. of CSE, SRM Institute of Science and Technology (formerly known as SRM University), on May 4, 2017
- Attended a Workshop on Introduction For beginners to use HPPC Computer Cluster, Organized by SRM Research Institute, on Jan. 11, 2017.
- Attended a Guest Lecture on "Photonics in Bio Medical Instrumentation," Organized by SRM-OSI Local Chapter, on Jan. 10, 2017.
- NI Days, 2016 conducted by National Instruments, on Oct.19, 2016, at ITC Gardenia, Bengaluru.
- Guest lecture on "NI Graphical System Design Platform in Engineering Education & Research" by Mr.Andy Bell,Academic Program Director, National Instruments, USA, on Oct 14, 2016 in the Department of Electronics and Communication Engineering, SRM Institute of Science and Technology (formerly known as SRM University).
- One day Workshop on "Next Generation Communication System Design, Challenges and Solutions" Sep. 8, 2016 conducted by the Department of Electronics and Communication Engineering in association with National Instruments, Bangalore.
- Attended a two day workshop on MULTISIM, organized by Dept of ECE, SRM Institute of Science and Technology (formerly known as SRM University), Chennai, in association with National Instruments, Bangalore, June 30 -July 2016.
- One day Authorship Workshop conducted by IEEE on : How to Submit papers to IEEE? , on August 20, 2015, at IIT Madras, Chennai.
- One day Workshop on Big Data Analytics and Programming Using MATLAB, conducted by Mathworks , on July 8, 2015, at Le Royal Meridian, Chennai
- One day Faculty Development Program on "New Product Development and Engineering in TCS, conducted by Tata Consultancy Services (TCS) Siruseri , Chennai , 2012.

- Two Day STTP on MIMO Communications and Networks, 1st & 2nd February, 2012, Dept. of ECE, SRM Institute of Science and Technology (formerly known as SRM University).
- 98th Indian Science Congress, 3rd – 7th 2011, at SRM Institute of Science and Technology (formerly known as SRM University).
- One-Day Faculty Symposium on MIMO-OFDM Wireless System, 27th January 2011, Dept. of ECE, SRM Institute of Science and Technology (formerly known as SRM University).
- Workshop on High Impact Teaching Skills – Mission 10x, 15th -19th Nov 2010, Dale Carnegie Training, Wipro.
- One-Day Workshop on MIMO-OFDM Wireless Systems, 28th August, 2010, Dept. of ECE, SRM Institute of Science and Technology (formerly known as SRM University)
- Workshop on Multi-carrier Modulation Techniques, 18th October 2010, Dept. of ECE, SRM Institute of Science and Technology (formerly known as SRM University).

#### Online Courses Completed

- 4-days Online Course on Examination Reforms conducted during 15-18 April, 2020 organized by AICTE.
- SSA101x Hands-on training on Solar Study Lamp Assembly, conducted by IITBombayX, completed on October 1, 2019.
- FDP101x Foundation Program in ICT for Education conducted by IITBombayX, completed on December 2018.
- IEEE Certified Innovation Management and Intellectual Property-101, the course conducted by Joint Venture of IEEE and Law Incubator, Completed on July 26, 2017.
- Probability and Random Variables / Processes for Wireless Communications conducted by NPTEL-A Project funded by MHRD, Govt. of India, Completed on March 2017
- Fundamentals of MIMO Wireless Communication conducted by NPTEL-A Project funded by MHRD, Govt. of India, Completed on Sep 2016.
- A System View of Communications: From Signals To Packets (Part3) Conducted by The Hong Kong University of Science and Technology, Feb 2016
- Wireless Communication Emerging Technologies: From Smart Phones to IoT to Big Data Conducted by Yonsel University, Jan 2016.
- EE210.2X signals and systems conducted by IIT Bombay, Completed on Dec 2015.

#### Academic Experiences

- Associate Professor, Department of Electronics and Communication Engineering, SRM Institute of Science and Technology (formerly known as SRM University) since Jan 2018
- Assistant Professor (S.G), Department of Electronics and Communication Engineering, SRM Institute of Science and Technology (formerly known as SRM University) since July 2017
- Assistant Professor (Sr.G), Department of Electronics and Communication Engineering, SRM Institute of Science and Technology (formerly known as SRM University) since July 2011
- Assistant Professor (OG), Department of Electronics and Communication Engineering, SRM Institute of Science and Technology (formerly known as SRM University) from July 2009 to June 2011.
- Lecturer, Department of Electronics and Communication Engineering, SRM Institute of Science and Technology (formerly known as SRM University) from April 2006 to June 2009

#### Other Professional Experiences

- Organized Webinar on Advances on Healthcare IT by CEO of zBliss Technologies under IEEE SRM Student Branch , on May 30, 2020
- Organised Workshop on 5S Principles to Administrative Staff of the Faculty of Engineering and Technology, SRM IST, on Feb. 8, 2020, In association with Brakes India, Paadi.
- Organised One Day Workshop on Machine Learning under IEEE SRM Student Branch, on Feb. 7, 2020, In association with Techkriti-IIT Kanpur.
- Organized Outreach Activity on "Career Enrichment Programme" for 11th Standard Students of Nandhivaram Govt. Girls Higher Secondary School, Guduvanchery, under IEEE SRM Student Branch Chapter, on Jan. 24, 2020.
- Organized Guest Lecture on "5G Communication Technology" by Mr.Nandacomur Balaramane, Senior Manager Accenture Technology and Co-Founder, Cherysys Technologies, under IEEE SRM Student Branch in association with Dept of ECE, on Jan. 20, 2020.
- Participated as a Resource Person in the One-Day Inaugural Workshop organized on Jan. 23, 2020 Under UGC's Paramarsh Scheme at SRMIST, kattankulathur-603203.
- Organized IEEE Distinguished Lecture On "Internet of Things (IOT), Approximate Services and Virtual Sensing" by Dr.Rangarao Venkatesha Prasad, Associate Professor, Delft University of Technology, Netherlands, on August 27, 2019.
- Organized 3-Day Workshop on "Understanding Block Chain-A Practical Approach," under IEEE SRM Student Branch in association with Indigeneous Tech Private Ltd., Bangalore and Department of IT, SRMIST, during August 5-7, 2019.

- Organized Outreach Activity on Career Guidance for Nandhivaram Govt. Girls Higher Secondary School, Guduvanchery, under IEEE SRM Student Branch Chapter, on Feb. 8, 2019
- Organized "Mathworks Automotive Workshop," by MATHWORKS, at SRM Institute of Science and Technology on September 29, 2018
- Organized Guest Lecture on Overview of Indian Nuclear Energy Program by Dr. J.Daniel Chellappa, Senior Scientist (TCW), Bhabha Atomic Research Centre(BARC), Government of India, Chennai, in IEI Student Chapter on Sep.12, 2018
- Organized a Technical Talk on "Data Analytics and Cloud Computing" by Pallavi Kar, Application Engineer, MATHWORKS, at SRM Institute of Science and Technology (formerly known as SRM University) on 20th August 2018
- Organized "MATLAB day: Hands on MATLAB and Simulink Session," by MATHWORKS, at SRM Institute of Science and Technology (formerly known as SRM University) on 2nd April 2018
- Organized a Guest Lecture on "NI Graphical System Design Platform in Engineering Education & Research," by Mr Andy Bell, Global Academic Program Manager, Texas, Austin, USA, in the Department of ECE, SRM Institute of Science and Technology (formerly known as SRM University) on 14th Oct. 2016.
- Organized a One-Day Workshop on "NEXT GENERATION COMMUNICATION SYSTEM DESIGN, CHALLENGES, AND SOLUTIONS," by Dr. Abhay Samant, Section Manager of RF and Wireless Communications, National Instruments, Texas, Austin, in the Department of ECE, SRM Institute of Science and Technology (formerly known as SRM University) on 8th September 2016.
- Organized Guest Lecture on "Communication and Computing with Chaos" by Dr.K.Murali, Professor Anna University, Guindy, Organised in the Department of ECE, SRM Institute of Science and Technology (formerly known as SRM University) on May 8, 2016.
- Guided Project - ARM 11 Based Smart Notice Board for the Department of ECE, SRM Institute of Science and Technology (formerly known as SRM University), May 2016
- Reviewer of Third International Conference on Information systems Design and Intelligent Applications-INDIA-2016) will be held in Visakhapatnam (Andhra Pradesh), India during January 8-9, 2016.
- Guided Project - AaWAAz-Providing Hope for Hearing Disabled, 2016.
- Reviewer of International Conference on Computing in Mechanical Engineering (ICCME-2015), Kochi, India.
- Reviewer of Advanced Research in Material Sciences, Manufacturing, Mechanical and Mechatronic Engineering Technology International Conference (AR4MET'2015), Bali, Indonesia.
- Reviewer of IEEE International Conference on Signal Processing, Informatics, Communication, and Energy Systems (IEEE SPICES 2015), National Institute of Technology Calicut (NITC), India.
- Guided Project - SMART Dustbin for Kodaikanal Tourism Center in the year 2012
- Guided Project - Digital Score Board using RF Transceivers for Basket Ball Match, for the Directorate of Sports, SRM Institute of Science and Technology (formerly known as SRM University), in the Year October 2015.
- Reviewer of International Journal on Bifurcation and Chaos (IJBC)
- Reviewer of IET Communications
- Reviewer of Optik - International Journal for Light and Electron Optics
- Reviewer of WSEAS Transactions on Signal Processing

#### **Achievements and Awards**

- Obtained Cambridge International Certificate for Teachers and Trainers (CICTT)
- Life member, MISTE (Member of Indian Society for Technical Education)
- IEEE Member
- IET Member
- Nominated for inclusion in Who's Who in the World® 2015 (32nd Edition)
- Won Best Paper Award at the Third International Conference On Innovative Trends In Technology and Management (ICITM-2017), Kalasalingam University, Virudunagar, March 2017.

#### **International Relations**

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