

SYED AMMAL ENGINEERING COLLEGE

(An Autonomous Institution)



Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai

Accredited with 'A+' Grade by NAAC

NBA Accredited UG Courses : CSE & MECH | Anna University Approved Research Centres : ECE, EEE, CSE & MECH


Dr. E.M. Abdullah Campus, Ramanathapuram - 623 502 Tamilnadu.



Ph: 04567 - 222 234, Mobile : 94873 04000, 84893 04000, 87548 88877 | E-mail : office@syedengg.ac.in | Web : www.syedengg.ac.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PROFILE

| | | |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Name | : J. SAKUBAR SADIQ |  |
| Designation | : ASSOCIATE PROFESSOR | |
| Contact Address | : Department of ECE, Syed Ammal Engineering College, Ramanathapuram – 623 502. | |
| Contact Mobile No. | : 99429 15751 & 97918 20993 | |
| Email id | : sadiqwajidh@gmail.com & sadiqwajidh@yahoo.co.in | |
| Areas of Interest | : Electronics, wireless sensor network, Computer Network | |
| Qualification | | |

- B.E. (Electronics and Communication Engineering)
- M.E. (Applied Electronics)

Experience

- E01.10.1998 to 31.05.2008 : Lecturer - Syed Ammal Engineering College
- 01.06.2008 to 30.06.2012 : Assistant Professor - Syed Ammal Engineering College
- 01.07.2012 to Till Date : Associate Professor - Syed Ammal Engineering College

Publications in Conferences:

1. C.Priya and Sakubar Sadiq, "Study of surface roughness in extremely small Si nanowire MOSFETs using fully -3D NEGFS" Proceedings of the DRDO sponsored National Conference on Innovations in Engineering & Technology – IET'12.
2. C.Priya, A.Muthu Krishnan and J.Sakubar Sadiq, "Device Performance of Si Nanowire

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MOSFET under Ballistic and Quasi-Ballistic Transport, Proceedings of the TEQIP II sponsored Eighth National Conference on Power Electronics and Drives, PEDC'14, 12th March 2014.

3. R Sindhuja, K Sivadhivya, J Sakubar Sadiq, "Vitality of sensors in life saving technique of mine workers" 2014 IEEE International Conference on Advanced Communications, Control and Computing Technologies, 2014/5/8, IEEE, 935-939
4. S. Bhuvaneshwari and J. Sakubar Sadiq, "A New CDMA Based NOC Architecture with CTC Scheme", International conference on Emerging trends Engineering, Science and Sustainable Technology (ICEISST – 2017)
5. S. Bhuvaneshwari and J. Sakubar Sadiq, "A New CDMA Based NOC Architecture with Bee search Optimization", International conference on Engineering Humanities & Science.
6. A. Suganya and J. Sakubar Sadiq, " an Priority Based Weighted Neuron Net VLSI Implementation"
7. M. Thilagavathi and J. Sakubar Sadiq, " High performance Energy Efficient Grid Based Routing algorithm for Multi Network on chip"
8. K.Kaviya and J.Sakubar Sadiq, "Self Gated Data processing Unit Design for Underwater sensor Network combined with Adaptive Clustering"
9. A.Hemalatha, Dr.G.Mahendran, Dr.M.Periyasamy and J. Sakubar sadiq, IOT based Vehicle Accident Prevention using Sensors" IEEE International Conference on "Intelligence Techniques in Control, Optimization and Signal Processing (INCOS-'20)

Publications in Journals:

1. R. Sindhuja and J. Sakubar Sadiq, "A Network lifetime enhancement by sink Relocation and Data Gathering Mechanism in WSNs", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015)
2. J.Sakubar Sadiq, et al. "Extraction of fetal ECG a semi-Blind Source Separation Algorithm Combined with Parameterized Kalman Filter", Materials Today: Proceeding, Ref. No.: MATPR-D-20-12105,

Details of Training Programme/ workshops organized

- Resource persons on 03.12.2013 FN and 07.12.2013 AN for Anna University Sponsored FDP on Digital Image Processing conducted on 2nd to 8th Dec, 2013
- Resource persons on 16.06.2014 FN and AN for the Anna University Sponsored FDP on

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Electromagnetic Theory conducted on 16.06.2014 to 22.06.2014

- Resource persons on 12.06.15 FN, Anna University Sponsored FDP on Electromagnetic Theory conducted on 10.06.2015 to 16.06.2015
- Organizing Committee Member for One Day Workshop on Advanced Switching Circuits Design using Cadence Tool, March 03, 2017
- Organizing Committee member for PCB design and PCB assembly processing using digital techniques, 8 and 9, January

Details of Training undergone

1. One day MathWorks Webinar on “Enabling Project based learning with Matlab, Simulink and Target Hardware, DesignTech Systems Pvt. Ltd. Chennai, 12.03.2022
2. CSIR Sponsored Five-Day National Level workshop on “Revolutionizing Industrial Digital Transformation Through Connected Technologies”, Siddhartha Institute of Engineering and Technology, Hyderabad, From 28.02.2022 to 04.03.2022
3. CSIR Sponsored Two-Day National Level Seminar on “Modern Techniques in Biosensors for Environmental and clinical analysis”, Siddhartha Institute of Engineering and Technology, Hyderabad, 18 and 19th February, 2022
4. AICTE sponsored six days short term training programme on “ Potential Benefits of RFID in Industrial, Medical and Domestic sectors. Syed Ammal Engineering College, Ramanathapuram. From 23.11.2020 to 28.11.2020
5. AICTE sponsored, six days programme on “ Soft Computing Techniques in Engineering, Syed Ammal Engineering College, Ramanathapuram. From 20.07.2020 to 25.07.2020
6. One Week Online Faculty Development Programme on JAVA Programming, Syed Ammal Engineering College, Ramanathapuram. From 06.07.2020 to 11.07.2020
7. Webinar on “ Soft Computing Techniques and its Application in electrical Engineering, by EEE, Syed Ammal Engineering College, Ramanathapuram. From 29.06.2020 to 03.07.2020
8. Technology and The New World Ahead, Syed Ammal Engineering College, Ramanathapuram, 27.06.2020
9. Online live Webinar on” Medical Applications of Digital Image processing Techniques, SAEC, 17.06.2020
10. One day faculty Orientation Programme on Soft skills and understanding the psychology of current generation students, SAEC, 09.12.2019.
11. One day capacity building workshop for professional on personality, profession and passion, SAEC, 25.06.2019.
12. One Day Training Programme on “ Techniques for effective research with IEEE Xplore”, SAEC, March, 2019
13. One day National Level Workshop on “How to write Good Scientific Project Proposals”, SAEC, 04.08.2018.

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14. Scilab Training on Python test, SAEC, 23.06.2017
15. One Day Faculty Development Training Programme on Modern Tool Usage in Teaching, SAEC, 13.12.2016.
16. National Level Workshop on “optimization Techniques in Engineering Applications” SAEC, 30th Sept, 2016.
17. One day faculty development programme on “How to be an Interesting and Inspiring Teaching Professional”, SAEC, 20.08.16
18. Internet of things (IOT), K.Ramakrishnan College of Engineering, Trichy. Feb, 24, 2016, one day.
19. ISRO Sponsored National level Workshop on “ Signal Processing and Communication in Satellite and Space, PGPCE&T, April, 24-25, 2015, 2 days
20. BRNS Sponsored National level seminar on WSN for Radiation Monitoring in Nuclear Energy, Systems.KEC, oct,17-18, 2014,2 days
21. International Conference on Advancements in Automation and Control, SAEC, April,11-12, 2014 , 2 days
22. Network Simulator for MANET, VANET and sensor Networks using NS -2, VITC, march 8-9,2014, 2
23. Cadence tools, SAEC, Ramnad, 11 &12.11.2013
24. National Seminar on Research Issues on Non Destructive Evaluation RINDE '13,SEPT, 19-21,2013,
25. National level Seminar on Research Challenges in WSNs, JULY, 26&27, KEC, 2013, 2
26. Seminar on Challenges and opportunities in 4G wireless systems, K.L.N C of IT, FEB, 5&6, 2013
27. Workshop on Network simulator (NS-2), NEC, JAN 24&25, 2013
28. IEEE international conference on advanced communication, control and computing technologies, SAEC, AUG 23-25, 2012
29. Soft skills in English for technocrats, AUT, Madurai, MARCH 15, 2012
30. Workshop on Hands on training – Lab VIEW, SAEC, JAN 21, 2012
31. How to succeed in your PhD an international perspective, SAEC, JAN,13, 2012
32. National level workshop on simulation of wireless networks using NS2. KEC, OCT, 13&14, 2011
33. Research methodology, SAEC,AUG, 28, 2011
34. Workshop on Digital image processing applications and challenges, KLNC, JAN 7&8, 2011
35. ICT ACADEMY sponsored, “Advanced Mixed signal and digital design using cadence tools”, PSYEC, NOV, 11,12&13, 2010
36. Workshop on optical communication and network, MIET SEPT, 2&3, 2010
37. Research methodology, SAEC, April 16&17, 2010.
38. Mission 10X, SAEC, FEB, 15-18, 2010
39. Self-Awareness Programme, SAEC, Ramnad, 08.10.2009
40. Micro wave made simple, SACET, Trichy, 12.07.2008
41. Micro sensors development & deployment challenges, SIT, Kariapatti,

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17&18.12.2007

42. Techno-vision 2003, Computer India, Coimbatore, 11&12.07.2003

43. Optoelectronic Integrated Circuit Photo receiver and Systems, PSNACET, Dindigul, 24&25.01.2003

Detail o FDP attended

- 1.Naan Mudhalvan Training Programme on “Introduction to Networks” conducted in Thiagarajar College of Engineering, 06.03.2023 to 10.03.2023
- 2.Webinar on “ Soft Computing Techniques and its Application in electrical Engineering, by EEE, SAEC, 29.06.2020 to 03.07.2020
- 3.One Week Online Faculty Development Programme on JAVA Programming, SAEC, 06.07.2020 to 11.07.2020
- 4.AICTE sponsored, six days programme on “ Soft Computing Techniques in Engineering, ECE,SAEC, 20.07.2020 to 25.07.2020
- 5.AICTE sponsored short term training programme on “ Potential Benefits of RFID in Industrial, Medical and Domestic sectors. SAEC, 23.11.2020 to 28.11.2020, 6 days
- 6.Workshop on Implementation of Soft Computing Techniques using Matlab – ANN, Fuzzy Logic, ANFIS and PSO, NEC, August, 25-27, 2014, 3 days
- 7.Renewable energy sources, SAEC, Oct 2013, 2 weeks, 4-17.
- 8.FDP on VLSI Design, AUT, Coimbatore, DEC, 13-18, 2010, 6 days
- 9.Medical Electronics, KEC, Perundurai, Erode. 23-27.06.2003 , 5 days

Details of Patent

- An Intelligent fast Compost Generator Bin with Automatic Segregation of N Waste,
Application No.202141001745 A,
Publication Date : 22.01.2021
- Detecting face Mask and Dictating no Mask Customers to wear it using Deep Learning Technique in Shopping Mall,
Application No 202241009503,
Publication Date: 04.03.2022

Membership/Fellowship in Professional bodies

- Life member – **ISTE**
- Life member – **IETE**