

Dr. K. Asan Mohideen

136, Iraivan Nagar, Mathur, Pudukkottai District, Tamil Nadu, India, PIN Code-622515

Mobile+91 7904426298

asan4uall@gmail.com

Scopus id 6708739300

<https://orcid.org/0000-0002-6462-8601>



Objective

- To work in a vibrant institution wherein I get ample opportunities to contribute to the growth of the institution via my teaching, administration, research and my expertise in NAAC accreditation by using the skills and experiences I have gained so far

Educational Details

- **Ph.D. (Electronics & Communication)** from Kalasalingam Academy of Research and Education, Krishnankoil, in February 2015
- **M.E. (Applied Electronics)** from Mohamed Sathak Engineering College, Keezhakarai during 2001-2002 (**First Class with Distinction**)
- **B.E. (Electronics & Communication)** from National Engineering College, Kovilpatti during 1992-1996 (**First Class**)

Professional Experience

26 years 7 months as on 21.09.2024

5+ years as Principal

10+ years as Head of Department

- Associate Professor and Head, Sudharsan Engineering College, Pudukkottai, since 21.01.2021 (**3 years 8 months**)
- Professor and Principal, Thamirabharani Engineering College, Tirunelveli, from 23.04.2015 to 30.09.2020 (**5 years 5 months**)

- Professor and Head, Electronics and Communication Engineering, National College of Engineering, Maruthakulam, Tirunelveli from 19.04.2013 to 22.04.2015 **(2 years)**
- Assistant Professor, Electronics and Instrumentation Engineering, Kalasalingam University from 01.07.2010 to 18.04.2013 **(2 years 10 months)**
- Assistant Professor, Electronics and Communication Engineering, National College of Engineering, Maruthakulam, Tirunelveli, from 25.11.2009 to 30.06.2010 **(7 months)**
- Assistant Professor and Head, Electronics and Communication Engineering, Sree Sastha Institute of Engineering and Technology, Chennai from 02.06.2008 to 24-11-2009 **(1 year 6 months)**
- Lecturer and then Assistant Professor and Head, Electronics and Communication Engineering, National College of Engineering, Maruthakulam, Tirunelveli from 26.11.2002 to 31.05.2008 **(5 years 6 months)**
- Lecturer, Electronics and Communication Engineering, P.E.T. Engineering College, Vallioor-627117 from 03.08.2000 to 31.07.2001 **(1 year)**
- Lecturer, Electronics and Communication Engineering, Islamiah Institute of Technology, Hulimavu, Bangalore-76 from 01.07.1996 to 02.08.2000 **(4 years 1 month)**

Research and Publication

- Publications – 11
- Citations – 143
- h-index – 5
- i10-index – 3
- **K. Asan Mohideen** et al., “Real-coded Genetic Algorithm for system identification and tuning of a modified Model Reference Adaptive

- Controller for a hybrid tank system”, Applied Mathematical Modelling, 37 (2013) 3829–3847 (**I.F. 3.633**, 2019)
- **K. Asan Mohideen**, K. Valarmathi, T.K. Radhakrishnan, “Differential Evolution Algorithm for System Identification and Tuning of a Fuzzy Modified Model Reference Adaptive Controller for a Coupled Tank Level Process”, International Journal of Engineering and Technology (IJET), Vol. 6, No. 3, Jun-Jul 2014, pp. 1530-1549 (**I.F. 0.1**, 2019)
 - **Asan Mohideen Khansadurai**, Valarmathi Krishnasamy, and Radhakrishnan Thota Karunakaran, “Improved Transient Performance of a Fuzzy Modified Model Reference Adaptive Controller for an Interacting Coupled Tank System Using Real-Coded Genetic Algorithm”, International Journal of Chemical Engineering, Volume 2014 (2014), Article ID 351973, 9 pages <http://dx.doi.org/10.1155/2014/351973> (**I.F. 1.877**, 2019)
 - Suresh, P., Rajesh, K.B., Pillai, T.V.S., **Asan Mohideen, K.**, and Arul Teen, Y.P., “Sub wavelength multiple focal spot generation of high NA objective lens using the diffractive optical element”, Optik - International Journal for Light and Electron Optics, Volume 125, Issue 15, August 2014, pages 3829-3832 (**I.F. 2.187**, 2019)
 - Karthik Chandran, Rajalakshmi Murugesan, Saravanakumar Gurusamy, **K. Asan Mohideen**, Sanjeevi Pandiyan, Anand Nayyar, Mohamed Abouhawwash, Yunyoung Nam, “Modified Cascade Controller Design for Unstable Processes With Large Dead Time”, IEEE Access, Volume 8, 2020, pp. 157022-157036, DOI.10.1109/ACCESS.2020.3019027, (**I.F. 3.745**, 2019)
 - **K. Asan Mohideen**, K. Valarmathi, “Fuzzy modified Model Reference Adaptive Controller for improved transient response”, International Conference on Power, Energy and Control, ICPEC’13, Dindigul, Feb 6-8, 2013, published by IEEE
 - **K. Asan Mohideen**, K. Valarmathi, “Modified Model Reference Adaptive Controllers for improved regulatory performance”, International conference on Emerging trends in Computing, Communication and

Nanotechnology, ICE-CCN 2013, Keelavallanadu, Mar 25-26, 2013, published by IEEE

- Saravnakumar Gurusamy, **K. Asan Mohideen** et al., “Embedded Remote Condition Monitoring System for Industrial Machinery”, International Conference on Smart Grids, Structures and Materials, ICSGSM 2021, Guntur, Apr 19-20, 2021
- Naziya Hussain, Pullela SVVSR Kumar, **Asan Mohideen Khansadurai**, Dillip Narayan Sahu, A. Ramesh babu, Mirzanur Rahman, “IoT-Based Healthcare Application and Security Framework”, NeuroQuantology, Volume 20, Issue 10, August 2022, Page 4428-4440
- Pullela SVVSR Kumar, **Asan Mohideen Khansadurai**, Vrushali G. Raut, Dillip Narayan Sahu, A.S. Vigneshwar, A. Yasmin Begum, “Deep Learning-Based Anticipation of Driver Movement in Semi-Autonomous Vehicles”, NeuroQuantology, Volume 20, Issue 10, August 2022, Page 4485-4498
- Sankar Rangasamy, **Asan Mohideen Khansadurai**, Gopu Venugopal, Arun Kumar Udayakumar, “Graphene-based O-shaped metamaterial absorber design with broad response for solar energy absorption”, Optical and Quantum Electronics, 2023, <https://doi.org/10.1007/s11082-022-04315-1>

Patents

- Artificial Intelligence based smart e-cart vehicle for blind people in shopping mall, Application number, 202141012414, Publication date 26.03.2021
- An Artificial Intelligence based infant emotion prediction using wall mounted stickers, Application Number 202241041319, Publication date 29.07.2022

Roles and Responsibilities

- Principal, Thamirabharani Engineering College, Tirunelveli, for 5 years 5 months

- NAAC coordinator, Sudharsan Engineering College, Pudukkottai, for 3 years (**Accredited with A Grade by NAAC**)
- IQAC coordinator, Sudharsan Engineering College, Pudukkottai, for 3 years
- President, Institution's Innovation Council, Sudharsan Engineering College, Pudukkottai, for 2 years
- SPOC, Naan Mudhalvan, Sudharsan Engineering College, Pudukkottai, for 1 year 6 months
- Head of the Department, ECE in Sudharsan Engineering College, Pudukkottai, for 3 years 8 months
- Principal, Thamirabharani Engineering College, Tirunelveli, for 5 years 5 months
- Head of the Department, ECE in National College of Engineering, Maruthakulam, Tirunelveli for 4 years 6 months
- Head of the Department, ECE in Sree Sastha Institute of Engineering and Technology, Chennai for 1 year 6 months (**Accredited by NBA in my tenure**)
- Coordinator- **ISO 9001:2008** for National College of Engineering, Maruthakulam, Tirunelveli
- NBA coordinator for National College of Engineering, Maruthakulam, Tirunelveli
- Convenor of Disciplinary Committee, National College of Engineering, Maruthakulam, Tirunelveli
- Secretary, Staff club in P.E.T. Engineering College, Vallioor
- Program Director of Co-curricular activities cell at Kalasalingam University
- Program Director of Extra-curricular activities cell at Kalasalingam University
- Coordinator of department association in the department of Electronics and Instrumentation Engineering at Kalasalingam University

Specific achievements

- As the NAAC coordinator, I played a crucial role in achieving A grade for Sudharsan Engineering College, Pudukkottai
- Recipient of National Merit Scholarship from the Central government for the performance in S.S.L.C.
- As the HoD, I got my department of ECE, SSIET, Chennai, accredited by NBA
- Prepared ISO 9001-2008 quality manual for National College of Engineering, Maruthakulam, in 2009
- Prepared Detailed Project Report (DPR) on the basis of which AICTE has increased the sanctioned strength from 60 to 120 in ECE and CSE of National College of Engineering, Maruthakulam, in 2005

Reviewer

- Neural computing & applications, ISSN: 0941-0643, United States, Springer
- International Journal of Computing and Digital Systems, ISSN 2210-142X

Professional Membership

- Life Member of IETE (M-216345)

Seminars/Workshop/FDP Attended

- ISTE sponsored national level seminar on “Quality Oriented Technical Education” organized by ISTE chapter, National Engineering College, Kovilpatti on 25-07-2003 and 26-07-2003
- One day seminar on “Renewable Energy-Energy of the Future’ held at National college of Engineering, Tirunelveli on 20-08-2005


- Two-day workshop on “Neural Network approach for Image Processing” at Kalasalingam University on 04-02-2011 and 05-02-2011
- One day workshop on “Soft Computing” at Kalasalingam University on 20-08-2011
- One day workshop on “LabVIEW Programming” at Kalasalingam University on 17-09-2011
- Four-day workshop on “Basics of electrical control panels, PLC and SCADA program” by Sun Rise Automation and Solutions at Kalasalingam University from 01-10-2011 to 04-10-2011
- Two-day workshop on “PID controller design and Advanced process control” at Karpagam college of engineering, Coimbatore on 16-12-2011 and 17-12-2011
- One day national level seminar on “Research and Consultancy Services” held at Kalasalingam University on 30-12-2011
- One day workshop on “Introduction to LATEX” at Kalasalingam University on 06-02-2012
- Five-day Faculty Development Programme on “Neural Network and Fuzzy Logic Control” at Kalasalingam University from 25-06-2012 to 29-06-2012
- One day national level seminar on “Research Methodology” held at Kalasalingam University on 21-07-2012
- Five-day course on LabVIEW conducted by National Instruments at Kalasalingam University from 12-07-2012 to 14-07-2012, and 14-09-2012 and 15-09-2012
- Two-week workshop on Analog Electronics conducted by IIT Kharagpur from 04-06-2013 to 14-06-2013
- Two-week workshop on Signals and Systems conducted by IIT Kharagpur from 02-01-2014 to 12-01-2014
- One day online workshop titled Remote sensing based data analytics in Agriculture , conducted by this IIRS-ISRO on 26-10-2023
- Five-day course on “Geospatial Analysis using Google Earth Engine” conducted by IIRS-ISRO from 19-02-2024 to 23-02-2024

Reference

- **Dr. E. Ramasamy**, Director of Technical Education (Retd.), Directorate of Technical Education, Tamil Nadu, Ph. 08526024516
- **Dr. P. Suresh**, Professor, Veltech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, India, Ph. 9940186845, suresh3982@gmail.com
- **Dr. M. Rajkumar**, Principal, JP Engineering College, Tenkasi, India, Ph. 8825834575, mraj Kumar1308@gmail.com

Personal Profile

Age	50
Date of Birth	11-04-1974
Gender	Male
Marital Status	Married
Present Address	136, Iraivan Nagar, Avoor Road, Mathur, 622515, Pudukkottai District, Tamil Nadu.
Permanent Address	32/34, Viyasarajapuram, Kalakad-627 501 Tirunelveli District, Tamil Nadu.



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