

M.Shanmuga Priya

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Academia

- ▶ Completed **Doctor of Philosophy** in the area of **RF Devices-Antenna Design**, Anna University, Chennai, India , in the year 2015.
- ▶ Completed **Master of Engineering** with the specialization in **Communication Systems** at Anna University, Chennai, India in the year 2005
- ▶ Completed **Bachelor of Engineering in Electronics and Communication Engineering** from Bharathidasan University in the year 1996

Work Experience

Academic Experience – 23 years 8 months(Till date)

- ▶ **January 2023-Till date** : **Principal** M.A.M College of Engineering and Professor Electronics and Communication Engineering, M.A.M. College of Engineering, Tiruchirappalli
- ▶ **July 2015 – Till date** : Professor & Head Department of Electronics and Communication Engineering, M.A.M. College of Engineering, Tiruchirappalli.
- ▶ **June 2000 – June 2015** : As a Lecturer, Senior Lecturer, Asst. Professor, Assoc. Professor, Professor & Head, Department of Electronics and Communication Engineering, M.A.M. College of Engineering, Tiruchirappalli.
- ▶ **June'1999 – Dec 1999** : As a Lecturer in Mookambikai coege of Engineering , Pudukottai.

Research Management

- ▶ **Recognized Anna University Supervisor**
- ▶ **2 Ph.D candidates graduated under my mentorship**
- ▶ **Guiding 2 Research scholars**

- ▶ Creating a dynamic research environment for both faculty and students
- ▶ Preparing projects and grants proposals for receiving funds from the funding agencies
- ▶ Contributing to the research undertaken within the faculty
- ▶ Delivering key note address
- ▶ Chairing sessions in National and Internal National Conferences
- ▶ Research Areas - RF & Wireless Device design, Wireless Sensor Networks

Achievements

GRANTS RECEIVED

- ▶ **Grant amount of Rs.5,00,000/-** has been recommended from **AICTE** for organizing International Conference on **Edge Computing** in the year 2021-2022.
- ▶ Received a grant of **Rs. 5,00,000/-** from **All India Council for Technical Education** for conduct of **Short Term Training Programme (STTP)** on **Evolution of Polytronics In Future Technology** under AQIS 2018-19 during the financial year 2019-20
- ▶ *Received a grant of **Rs. 50,000/-** from **Council for Scientific and Industrial Research (CSIR) of India** to organize **International conference on Electrical, Information and Communication Technology**, in the year 2017*

Academic Experience

Resource management

- ▶ As an **ISO- Management Representative** helped in developing the college according to DNV-ISO standard in the year 2007-2008
- ▶ Contributing as the department Coordinator in getting **National Board of Accreditation** in year 2008-2011 and reaccreditation in the year 2014-2016
- ▶ Developing the department and achieved the highest possible standards of excellence in all its activities

- ▶ Monitoring and regularly reviewing the performance of the department against department objectives, and report regularly to the Head of the Institution
- ▶ Managing all faculties within the department, including performance management, staff development, appraisal, induction and succession planning
- ▶ Establishing appropriate management structures allocate work and working practices so as to enhance effectiveness and efficiency.
- ▶ Contribute to the recruitment and retention of staff in accordance with Institution policies
- ▶ Developing collaborations across departments, faculties, university, strategic alliance partners and with other institutions.

Academic management

- ▶ Contributing to the teaching and guiding of students in the level of Bachelors, Master of Engineering and Research.
- ▶ Supporting improvement in programme outcomes and its objectives through innovative teaching, learning and assessment methodologies.
- ▶ Providing leadership to get Washington Accord NBA accreditation and other relevant accreditation pertaining to the Department and Institution
- ▶ Preparing budget proposal based on the plans of the department, procuring equipments and establishing laboratories to fulfill the requirement of University curriculum
- ▶ Identifying students to participate in other college symposium and train them to win prizes.
- ▶ Organizing seminars, workshops and symposium for transferring knowledge
- ▶ Coordinating and conducting examination
- ▶ *Counseling the students regularly for improving their personal and career development*
- ▶ Subjects Handled- Electronic circuit I and II, Electromagnetic Waves and Waveguides, Antenna and Wave propagation, Transmission lines and wave guides, RF an Microwave, RF system Design, Communication Theory, Linear Integrated Circuits ,Satellite communication etc.

Industrial Experience

- ▶ Worked as a **Faculty cum Administrative Coordinator** in Techno services Pvt Ltd, from May 1997-May'99.
- ▶ **Marketing executive** in Vijay software enterprises, Tiruchirappalli – Oct1996-April 1997.

Awards

- ▶ Certificate of Appreciation, in recognition of tireless pursuit of excellence and outstanding commitment to Pre-Republic day parade camp 2010 held at M.A.M. College of Engineering, between 11-20 of Oct 2010. Govt of India, Ministry of Youth affairs and Sports, NSS Regional Centre, Chennai, 19/10/2010.

ACADEMIC RESULTS ACHIEVEMENTS

As a HOD

1. Produced 86% Percentage department result in April- May 2017.
2. Recognition : Received a **Cash award of 75000/-** from the management
3. From 2015 ECE Department university result is above 80%.

As a Faculty

100% Result for University Examinations(Recent years)

1. Electromagnetic Fields Apr/May 2018, Apr/May 2017, Apr/May 2012.
2. Transmission lines and wave guide Nov/Dec 2016.
3. RF and microwave Engineering Nov/Dec 2018

Above 90% Result for University Examination

- Transmission lines and wave guide
- Linear integrated circuits
- RF and Microwave
- Electronic circuits I and II
- ADHOC and Wireless Sensor Network

Strengths

- Punctual in completing assigned tasks
- Self-confident and Optimistic
- Ability to manage competitive demands
- Flexible and adaptable to changing circumstances
- Patience & Courage
- Loyal & Hard worker, Good learner

Publications

Google scholar link: <https://scholar.google.com/citations?user=vX-q7olAAAAJ&hl=en&authuser=1>

Journals Proceedings-08

1. Britto Dennis, J. and Shanmuga Priya, M., 2021, "Deep Belief Network and Support Vector Machine Fusion for Distributed Denial of Service and Economical Denial of Service Attack Detection in Cloud", Journal of Concurrency and Computation: Practice and Experience, <https://doi.org/10.1002/cpe.6543>
2. Shanmugapriya. M, Mohamed malik Mubeen S, Vijayaraj M, "A novel approach for predicting the TC centre of remotely sensed images using PSO based density matrix" Journal of Earth Science Informatics <https://doi.org/10.1007/s12145-021-00711-5>, Nov 2021.
3. Shanmugapriya. M, Mohamed malik Mubeen S, Vijayaraj M, 'An effective approach of CNN based hybrid Meta- heuristic optimization classifier for retrieving satellite images", Journal of Earth Science Informatics <https://doi.org/10.1007/s12145-021-00717-z>, Nov 2021.
4. Shanmugapriya. M, Mohamed malik Mubeen S, Vijayaraj M, 'Satelite Image Retrieval using CNN based Elevated Whale Optimization Classifier", Journal of Tierärztliche Praxis / Vol. 41, 2021.

5. Shanmuga Priya , Britto Dennis, "A Profile based Novel Framework for detecting EDoS attacks in the Cloud Environment", Journal of Wireless Personal Communications, <https://doi.org/10.1007/s11277-021-08280-y>, Feb 2021.
6. Shanmugapriya. M, Maluk Mohamed. M.A, & William. J 2015, 'A Metamaterial Antenna For Wsn Applications', Microwave And Optical Technology Letters / Vol. 57, No. 1, Doi 10.1002/Mop.
7. Shanmugapriya.M, Maluk Mohamed.M.A, & William. J 2014, 'Dual Band Fractal Antenna For Wireless Sensor Network Application', World Academy Of Science', Engineering And Technology International Journal Of Electrical, Robotics, Electronics And Communications Engineering. Vol. 8, No. 6.
8. Banupriya P, Shanmugapriya M & William J 2014, 'Parametric Analysis Of A Miniaturized Slotted Patch Antenna With Meandering Line For Tri Band Wireless Applications', International Journal Of Advanced Research In Electrical, Electronics And Instrumentation Engineering, Issn (Print) : 2320 – 3765, Issn (Online) Vol. 3, No. 4, Pp. 2278 – 8875.
9. Shanmugapriya M, Maluk Mohamed M.A, Surendar U & William J. 2015, 'A Metamaterial Triangular Patch Antenna For Wireless Sensor Networks', International Journal Of Technology And Engineering Science [Ijtes], Vol. 3, No. 2, Pp. 2861-2867.
10. Shanmugapriya M, Maluk Mohamed M.A, William J. 2015, ' Parametric Analysis Of A Miniaturized Inverted Pi Shaped Antenna for Wireless Sensor Network Applications", Ictact Journal On Communication Technology, Volume: 06, Issue: 02.
11. G.Kalpanadevi,S.Ravimaran,M.Shanmugapriya,"Design of Reconfigurable 2 Way Wilkinson Power Divider For Wlan Applications", World Academy Of Science,Engineering&Technology International Journal Of Computer, Electrical,Automation,Control & Information Engineering Vol:9,2015.

12. G. Kalpanadevi, S. Ravimaran, M. Shanmugapriya, "A 2 Way Wilkinson Power Divider Realized Using One Eighth Wave Transmission Line For Gsm Application", World Academy Of Science, Engineering And Technology International Journal Of Computer, Electrical, Automation, Control And Information Engineering Vol:9, No:11, 2015.7.
13. Shanmuga Priya . M, Maluk Mohamed.M.A," A Cpw Fed Star Shaped Patch Antenna For Wsn Applications ",IOSR Journal Of Electronics And Communication Engineering (IOSR-JECE), E-Issn: 2278-2834,P- Issn: 2278-8735. Pp 182-187.

Conference proceedings

1. ShanmugaPriya M &Maluk Mohamed 2013, 'Design and Performance Comparison of Micro strip and CPW Fed E-Shaped Antenna for WSN Applications', 29th Annual Review of Progress in Applied Computational Electromagnetics, March 24-28, 2013 - Monterey, CA ©2013 ACES.
2. BanuPriya P, ShanmugaPriya M, Maluk Mohamed, M A, & William J. 2013, 'An effective miniaturized octagon shaped microstrip patch antenna for wireless sensor network', Proceedings of CLEICS'14, 7th March, 2013, CIET, Coimbatore, Tamilnadu.
3. Lekha, K, Suganya, S & Shanmuga Priya, M, 'An effective antenna design for WLAN application', Proceedings of NCETICT 2014, 21st March, ECE, MAMCE, pp. 58-60.

Invited Talk Given

- 1) Delivered a guest lecture on "RF ID and its Application" at Computer Society of India, BIT campus, Trichy on 10.9.2008.
- 2) Delivered a guest lecture on "RF ID and its Application" at M.A.M College of Engineering and Technology, Trichy on 05.8.2010.
- 3) Has been a Session chair on International Conference on "Women Empowerment" at, Holy cross college Trichy on 04.09.2012.
- 4) Delivered a guest lecture on "Engineering and Mathematics" at , Holy cross college Trichy on 12.12.2012.
- 5) A speaker in a national Conference in M.A.M College of Engineering and technology In Nov 2017 on "Antenna parameters"
- 6) Delivered a lecture in Anna University approved Seven days FDTP on "Adhoc and sensor Networks", in Department of Electronics and Communication Engineering at K.Ramakrishnan College of Engineering,Tiruchirappalli. The topic is "Wireless Sensor Networks- Network architecture" on 25.11.17
- 7) Delivered a online lecture on "Sustainable Electronics" in Institute of Engineers on 18.1.24

Conferences, Seminars Attended

- 1) A seminar on Embedded system arranged by Mascon systems , Trichirapalli
- 2) A one day work shop on VSLI,Arasu Engg college .
- 3) Four day wokshop on VLSI, Coducted by CICT, Bangalore in AnnaUniversity
- 4) A One day workshop on Wi MAX And 3G applications in Wireless technology NIT,Trichirapalli.
- 5) Latest Measuring Equipment used in E & C industry.,Agilent technology , Chennai.
- 6) Recent trends in networking and distributed computing, PABCET,Trichirapalli.
- 7) A one day workshop on Orcad and Pspice,Sethu institute of Technology, Madurai
- 8) A two day workshop on Recent trends in Communication ,Mookambigai college of Engineering.
- 9) A two day work shop on Virtual instrumentation and Digital image

- processing, ICT Academy, PMCTW, Tanjore
- 10) A one day workshop on Emerging trends in communication, Dhanalakshmi Srinivasan, Perambalur.
 - 11) Attended 14 days AICTE Sponsored FDP on Internet of Things during Nov 2018 at M.A.M. College of Engineering.
 - 12) Attended 14 days AICTE Sponsored FDP on Internet of Things during Nov 2018 at M.A.M. College of Engineering.
 - 13) Attended 14 days AICTE Sponsored FDP on Intelligebt Big Data Analytics Nov 2019 at M.A.M. College of Engineering.

Professional Membership

- Indian Society for Technical Education
- Institute of Engineers(India)

Personal Details

- Date of Birth : 05/06/1974
- Marital Status : Married
- Dependents : 3 (Spouse and 2 Children at the ages of 20 and 10)
- Nationality : Indian
- Languages Known : Tamil, English, Hindi(fairly speak)
- Address : 15/25,CKVI Apartment,T.V.Koil,
Trichy- 620005, Phone : 944333367
E-mail :thediprivi@gmail.com

References

1. Prof. Dr. D. Sriramkumar, Associate Prof,Department of ECE, National Institute of Technology, Tiruchirappalli-620015, India.
Email id: srk@nitt.edu. PH. No. :9443494495
2. Prof. Dr. S. Raghavan, Professor/Dept. of ECE, National Institute of Technology, Tiruchirappalli-620015, India.
Email id: raghavan@nitt.edu.

Declaration

I believe that my confidence, interest and enthusiasm are my good personal skills. These qualities of mine will hold me in good stead for a successful tenure in your organization. I hereby declare that the above mentioned information is true to the best of my knowledge and test of my understanding.

Signature