TAGORE ENGINEERING COLLEGE
(A Member of Tagore Group of Institutions Chennai)
Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai

ACCREDITED BY IQAC-NAAC WITH 'A' GRADE

FACULTY PROFILE

PERSONAL DETAILS

Name & Qualification	Mrs.K.Kumuthapriya, M.E
Designation	Associate professor
Department	Electronics and Communication Engineering
Total Teaching Experience	20 years
Total Research Experience	Nil
Total Industry Experience	6 Months
Area of Specialization	Applied Electronics
AICTE Faculty ID	4127214
Email ID	kkumuthapriya@tagore-engg.ac.in

EDUCATIONAL DETAILS

Degree	Branch/ Specialization	University	Year
UG	Electronics and Communication Engineering	MADRAS University	1999
PG	Applied Electronics	MADRAS University	2000
Ph.D	---	---	----

RESEARCH / PUBLICATION DETAILS

Publications in Journal

1. Kumuthapriya.K, "Memristor -The Future of Artificial Intelligence", Published in aInternational Journal of Scientific Engineering and Research Issue 04 ,Vol. 5, April 2014

2. Kumuthapriya.K, "Design and Implementation of Auto-tunable Index for Memory Mapping in FPGA using MEMRISTOR", Published in aInternationalJournal on Applied Engineering and research,ISSN0973-4562 Vol.10 No.42(2015).

Conferences Proceeding

1. Kumuthapriya.K, Pradeepa.V, "Smart Delivery of Product Using Self Driving Quadcopter", Proc .AICTE Sponsored International E-Conference on ,Electrical, Communication& Computing Engineering (ICECC-2020) held on 20thand 21stAugust,2020 at Tagore Engineering College, Chennai. pp.113, 2020

2. Kumuthapriya.k ,Thamizharasi.V,G.Senthilraja,"Sinusoidal Model and MFCC Information for Speaker Recognition", Proc 3rd International conference on Electrical, Communication And Computing (ICECC-2019) ,12th and 13th March 2019 held at Tagore Engineering College, Chennai

3. Kumuthapriya.k, PAVITHRA. G, SARANYA. R," Brain Tumor Segmentation Using Convolutional Neural Networks In Mri Images", Proc 3rd International conference on Electrical, Communication And Computing (ICECC-2019) ,12th and 13th March 2019 held at Tagore Engineering College, Chennai.

4. Kumuthapriya.k ,Vijaykrishnan.G," Smart banking machine cash monitoring with on time security surveillance system using Universal Object Interaction", Proc 3rd International conference on Electrical, Communication And Computing (ICECC-2019) ,12th and 13th March 2019 held at Tagore Engineering College, Chennai.

5. Kumuthapriya.k , ," Memristor Based Modified Neural Logic Blocks Using Nand Gate", Proc 3rd International Conference On Electrical, Communication And Computing (ICECC-2019) ,12th and 13th March 2019 held at Tagore Engineering College, Chennai.

6. Kumuthapriya.K, "Memristor Spice Model and 4x4 Crossbar Simulation implemented in Neuromorpiccircuit ", Proc. National Conference on Recent Advances in science, Engineering & Management (NCRASEM'18) held at Tagore Engineering College, Chennai,2018.

7. KumuthaPriya.K, Mariyammal.V.&Dr.Prakash.S "Desigin of Non-volatile lookup Table using Memristor For field programmable Gate Array", Proc. International Conference on Electrical, Computing & Communication (ICECC'17) held at Tagore Engineering College, Chennai,pp. 34, 2017.

8. KumuthaPriya.K, Senthialraja.G "Statistcal Feature Evaluation And Vq/Gmm for classification of stressed speech ", Proc. International Conference on Electrical, Computing & Communication (ICECC'17) held at Tagore Engineering College, Chennai,pp. 34, 2017.

9. Kumuthapriya.K.Poovizhiselvi, A.Sakthi, P.Sathyapriya, "Design and Implementation of Digital Predictive Controller Architecture using NLB in FPGA Systems", Proc. National Conference on Recent Advances in science, Engineering & Management (NCRASEM'15)

held at Tagore Engineering College, Chennai, 2015.

10. Kumudhapriya.K,Srinidhi.S, B.Saranya, K.Usha, Dr.S.Prakash, "Design and Implementation of Auto-tunable Index for Memory Mapping in FPGA using MEMRISTOR", Proc. National Conference on Recent Advances in science, Engineering & Management (NCRASEM'15) held at Tagore Engineering College, Chennai, 2015

11. KumuthaPriya K. and Jenila L. "Memristor Based Neural Logic Block for Cryptographic Application ", Proc. International Conference on Electrical, Computing & Communication (ICECC'14) held at Tagore Engineering College, Chennai,pp. 93, 2014.

12. KumuthaPriyaK.Kavinmathi.L, Lavanya.K, Gayathri.C "Memristor -The Future of Artificial Intelligence ", Proc. International Conference on Electrical, Computing & Communication (ICECC'14) held at Tagore Engineering College, Chennai,pp.113, 2014.

13. Porselvi.R, Surekha.N and Kumuthapriya.K, "An Efficient High Speed Wallace Tree Multiplier", Proc. International Conference on Information Communication & Embedded Systems (ICICES'13) organized by the Department of PG Students in Engineering at S.A.Engineering College, Chennai,pp.84, 2013.

14. K.Kumuthapriya, "An IHS Based Fusion for Color Distortion Reduction and Vegetation Enhancement in IKONOS Imagery", Proc. National Conference on Signal Processing and Communications Sponsored by AICTE held at St.Peter's College of Engineering & Technology, Chennai

15. K.Kumuthapriya, "Solar-Powered WSN Framework for Aquatic Environmental Monitoring", Proc. National Conference on Signal Processing and Communications Sponsored by AICTE held at St.Peter's College of Engineering & Technology, Chennai,pp.147, 2012.

16. Kumudhapriya.K, "Memory – Based Realization of FIR Digital Filter using OMS Scheme", Proc. National Conference on Communication and Informatics (NCCT'12) held at Shree MotilalKanhaiyalalFomra Institute of Technology, Chennai

17. Priya R and Kumuthapriya K, "Long Distance Real Time Echo Cancellation and Double Speech Detection", Proc. International Conference on Electronics & Communication Engineering 2012 organised by Sri Lakshmi Ammal Engineering College, Chennai.

18. Kumuthapriya K, Proc in National Multiconference on Innovative Computing Technology'11 Advanced Cryptography using coupled congruential pseudorandom Generator at Tagore Engineering College,pp.296-299, 2011.

19. Kumuthapriya K, "HVDC and facts Mudpack Applications", Proc International conference on smartTechnology at Vel Tech pp.540-542, 2011.

20. Kumuthapriya K, "Wireless Smoke Detector", Proc. National conference at Bannari Amman Engineering College, TamilNadu.

21. Sheela, D.,KumuthaPriya, K.,Manju, M. and Rekha, R.K. "All Optical Switches using Dye Doped Polymers", Proc. National Conf. On Recent Trends in Biomedical and Communication Technologies, Dhanalakshmi College of Engineering, Chennai, in association with Biomedical Engineering Society of India,pp.44-48,2006.

22. Kumuthapriya K," Recognize Of Stressed Speech By GMM", Proc in National conference on Advanced Techniques in Instrumentation Control and Communication Engineering,Sponsored by DRDO,BRNS,CSIR held at St.Peter's College of Engineering & Technology, Chennai pp.44-49, 2008.

Books / Chapters Published
-

Fund Received
-

Patent Applied / Published/Granted

1. **Mrs..K.KumuthaPriya has filed a patent on" Monitoring of Body Temperature with alert through IOT without contact to Human Body during COVID situations"** and published on 25.02.2022

2. **Mrs.K.Kumudhapriya, has filed a patent on "Priority generator and the method there of by implementing Artificial Intelligence for diagnosing patients in hospitals** " and published on 25.03.2022

CITATIONS	**35**
H-INDEX	**2**

RESEARCH GUIDANCE DETAILS		

Sl.No	University	Supervisor ID / Reference
1	Anna University, Chennai	**-**
2	Number of UG Scholars Guided	40 batches
3	Number of PGScholars Guided	16

4	Number of Ph.D. Scholars Guided	-
5	Number of Ph.D. Scholars Pursuing	-

PROFESSIONAL SOCIETY MEMBERSHIP DETAILS

Sl.No	Professional Society Name	Member ID
1	ISTE	LM31437
2	IETE	M200017
3	IAENG	151886
4	ISEC	