




# 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	<b>Dr P Radhakrishnan M.E.,Ph.D</b>		
Designation	Professor & Head		
Department	ECE		
Total Teaching Experience	21 Years 10 months		
Total Research Experience	10 Years		
Total Industry Experience	Nil		
Area of Specialization	VLSI Design		
AICTE Faculty ID	1-7483520175		
Email ID	Krish75radha@gmail.com		
EDUCATIONAL DETAILS			
Degree	Branch/ Specialization	University	Year
UG	Electronics & Communication Engineering	Anna University	2000
PG	Applied Electronics	Jerusalem College	2006
Ph.D	Faculty of Information and Communication Engineering	Anna University	2020
RESEARCH / PUBLICATION DETAILS			
Publications in Journal			
<ol style="list-style-type: none"> <li>1. G Themozhi&amp;<b>P Radhakrishnan</b>, 2021 “<b>Battery Monitoring And Smart Charging Using IOT For Electrical Vehicle Applications</b>” International Journal of Aquatic Science, ISSN 2008-8019 Vol 12, Issue 03, pp 593-601</li> <li>2. <b>Radhakrishnan, P&amp;Themozhi, G</b> 2020 ‘<b>FPGA Implementation Of XOR MUX Full adder Based DWT for Signal Processing Applications</b>’, Journal of Microprocessors and Microprocessor systems (ELSEVIER), vol. 73, 102961.</li> <li>3. <b>Radhakrishnan, P&amp;Themozhi, G</b> 2020 ‘<b>Design of CMOS Truncated Multiplier with 10T GDI Full adder</b>’, Journal of TEST Engineering &amp; Management, ISSN 0193-4120, pp. 3955-3960.</li> </ol>			

4. **Radhakrishnan, P**, Themozhi, G, &SreeRathna Lakshmi, N.V.S 2020 ‘**FPGA Implementation of XOR MUX Full adder and subtractor based Truncated DCT for Audio Processing Applications**’, **International Journal** of Advanced science & technology, vol. 29, no. 6, pp. 2352-2367.
5. S MuthuPandian, **P Radhakrishnan**, S Prakash, 2014, “**Gender Recognition From Face Images Based on Textural Analysis and Machine Learning Approach**” in the International Journal of Scientific& Engineering Research, Volume 5, Issue 4, April 2014, ISSN (2229-5518).
6. Ms.K.Veena Devi, **.P.Radhakrishnan**,2013, “**VLSI Implementation of IDMA based Multiple Carrier Code Division Multiple Access for 4G Technologies**” in the **International Journal** of Computer Applications (IJCA), Volume 70, No.1, May 2013, pp 33 – 36, ISSN (0975 – 8887).

### **Conference Proceedings**

1. Meena Sri P. S Yogalakshmi U, **Radhakrishnan P** published a paper titled “Enhanced Learning using Augmented Reality “in the AICTE sponsored **International E- Conference** on Electrical, Communication & Computing (ICECC – 2020) held on 20<sup>th</sup>& 21<sup>st</sup>**August 2020 at Tagore Engineering College.**
2. Shivani V.A, Naveena.K, **Radhakrishnan.P** published a paper titled “Automatic Traffic signal control using multi camera vehicle detection “in the 3<sup>rd</sup>**International Conference** on Electrical, Communication & Computing (ICECC – 2019) held on 12<sup>th</sup>&13<sup>th</sup> **March 2019 at Tagore Engineering College.**
3. Sandra.T.J, Sangeetha. K, **Radhakrishnan..P** published a paper titled “Eye Ball movement Based Home Automation “in the 3<sup>rd</sup>**International Conference** on Electrical, Communication & Computing (ICECC – 2019) held on 12<sup>th</sup>& 13<sup>th</sup> **March 2019 at Tagore Engineering College.**
4. Arulmozhi.A, **Radhakrishnan.P** published a paper titled “Low power and High Speed Implementation of CMOS Truncated Multiplier With 10 T GDI Full adder“in the 3<sup>rd</sup>**International Conference** on Electrical, Communication & Computing (ICECC – 2019) held on 12<sup>th</sup>& 13<sup>th</sup>**March 2019 at Tagore Engineering College.**
5. S.Devika, **P.Radhakrishnan** Published a paper titled “GDI based 6T SRAM Architecture” in the **National Conference** in Recent Advances in Science, Engineering and Management (NCRASEM – 2018).
6. T.Pavithra, M.RiyajNisha, **P. Radhakrishnan** Published a paper titled “Column and Row Bypass Multiplier Design using Adaptive Hold Logic” in the **National Conference** in Recent

Advances in Science, Engineering and Management (NCRASEM – 2018).

7. R.Narmadha, **P.Radhakrishnan** Published a paper titled “Smart Industrial Automation Control Using IOT” in the **National Conference** in Recent Advances in Science, Engineering and Management (NCRASEM – 2018).
8. N.Deepak, B.Linoj Kumar, G.Manikandan, K.Vinoth, **P.Radhakrishnan** Published a paper titled “Wireless Surveillance Robot with Motion Detection and Live Video Transmission” in the **National Conference** in Recent Advances in Science, Engineering and Management (NCRASEM – 2018).
9. Ms.G.Aneesha, Ms.S.Nandhini, Mr.C.Parthasarathy & **Mr.P.Radhakrishnan** published a paper titled “Robust Face – Name Matching for Video Character Identification” in the **National Conference** on Web Technology & Open Sources (WEBTOPS 8<sup>th</sup> Generation) held at Jaya Engineering College on 20<sup>th</sup> April 2013.
10. Ms.K.VeenaDevi, **Mr.P.Radhakrishnan** & Mr.S.Prakash Published a paper titled “VLSI Implementation of IDMA Based Multiple Carrier Code Division Multiple Access for 4G Technologies” in the **International Conference** on Communication, Computing and Information Technology, ICCCMIT 2012 conducted by the Department of Computer Science held at M.O.P Vaishnav College for Women on 21<sup>st</sup> and 22<sup>nd</sup> December 2012.
11. Ms.K.Anupriya, Mr.M.Balamurali, Ms.R.Hajira, **Mr.P.Radhakrishnan** published a paper titled “NIOS II Processor Based Customized Soft Microcontroller Unit Implementation on FPGA” in the CSI Sponsored 3<sup>rd</sup> **National Conference** on Information, Communication & Networking (NCICN – 2012) held on 4<sup>th</sup> April 2012 at Eswari Engineering College.
12. **Mr.P.Radhakrishnan** & Ms.C.T.Kavitha published a paper titled "Efficient Implementation of Face Recognition in ADSP-21065L" in the **National Conference** in Advanced in Medical Electronics held on March 2006 at Forma Institute of Technology.

### **Books / Chapters Published**

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### **Fund Received**

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### **Patent Applied / Published/Granted**

1. Innovative Indian Patent, IPR India, filed a patent “Forecasting of Soil Nutrients With Ph Range

<p>In Farming Using Deep Learning Technique ” and published on 18.03.2022</p> <p>2. Innovative Indian Patent, IPR India, 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</p> <p>3. Certificate of Grand Innovation Patent from the Australia Government - IP Australia on April 2021 , for the title,” An Novel Method For Empowering Edge Computing For Source Allocation Based Learning For Industrial Iot”.</p>		
CITATIONS	<b>6</b>	
H-INDEX	<b>1</b>	
<b>RESEARCH GUIDANCE DETAILS</b>		
<b>Sl.No</b>	<b>University</b>	<b>Supervisor ID / Reference</b>
1	Anna University, Chennai	-
2	Number of UG Scholars Guided	-
3	Number of PGScholars Guided	-
4	Number of Ph.D. Scholars Guided	-
5	Number of Ph.D. Scholars Pursuing	-
<b>PROFESSIONAL SOCIETY MEMBERSHIP DETAILS</b>		
<b>Sl.No</b>	<b>Professional Society Name</b>	<b>Member ID</b>
1.	IETE	<b>M-200015</b>