



**R.CATHERINE JOY**

Assistant Professor,  
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**RESEARCH/TEACHING INTERESTS**

Detection and Analysis of Attention Deficit Hyperactivity Disorder using Machine Learning techniques, Medical Signal Processing, Digital Signal Processing, Digital Electronics, Digital Communication, Basic Electronics, Satellite Communication, Microwave and Optical Communication, Linear Integrated Circuits, Computer Communication, Routing Algorithms for Wireless Mobile Networks.

**EXPERIENCE**

Assistant Professor, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, India, 2013 – present.

Assistant Professor, Electronics and Communication Engineering, Indus College of Engineering, Alandurai, Coimbatore, India, 2011 to 2013.

**EDUCATION**

Degree	Branch / Specialization	University	Class	Mode	Month & Year of Passing
M.E.,	Applied Electronics	Karunya University	First Class	Full Time	April 2008
B.E.,	Electronics and Communication Engineering	Anna University	First Class	Full Time	April 2006

**SUMMARY OF INTERNATIONAL JOURNAL & CONFERENCE PUBLICATIONS – [PUBLISHED & ACCEPTED]**

Year	International Journal Publications	International Conference Publications	National Conference publications
2009 - 2021	5	8	2

**PATENTS**

1	Attention Deficit Hypersensitivity Disorder (ADHD) Detection, Application No. 202041021356, Publication Date: 05.06.2020.
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**PROFESSIONAL MEMBERSHIPS**

1	Member of International Association of Engineers (IAENG)
2	Member of the International Association of Computer Science and Information Technology (IACSIT)