Curriculum Vitae

Anil Kavala

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Educational background:

Feb 2007~Feb 2009:	Pursued **Master of Science (Electronics)** from **Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea** with an aggregate CGPA of **3.426/4.3**
2002~2006:	Pursued **B.Tech (Electronics & Communication Engineering)** from **JNTU, Hyderabad, India** with an aggregate percentage of **72.91 (First class with distinction)**
2000~2002:	Passed **Intermediate (Mathematics, Physics, and Chemistry)** from **Board of Intermediate Education** with an aggregate percentage of **90.7**
1999~2000	Passed **S.S.C** from **Board of Secondary School Education** with an aggregate percentage of **81.67**

Work Experience:

Feb 2008~Feb 2009:	Research Assistant, Intelligent Radio Engineering Center, KAIST-ICC, Korea Advanced Institute of Science and Technology, Korea
May 2006~Dec 2006:	Ad-Hoc Lecturer, Electronics and Communications Department, Prakasam Engineering College, Kandukur, India.

Teaching Assistantship:

Fall 2007	VLSI Design, KAIST-ICC, Korea Advanced Institute of Science and Technology, Korea Semiconductor Device Physics, KAIST-ICC, Korea Advanced Institute of Science and Technology, Korea

Spring 2008	VLSI Design, KAIST-ICC, Korea Advanced Institute of Science and Technology, Korea Circuit Theory, KAIST-ICC, Korea Advanced Institute of Science and Technology, Korea
Summer 2008	Linear Algebra, KAIST-ICC, Korea Advanced Institute of Science and Technology, Korea
Fall 2008	Physics-II, KAIST-ICC, Korea Advanced Institute of Science and Technology, Korea

Projects:

Jan 2008 – Dec 2008 **MS Thesis**

Title: "*Design of Low-Voltage and Low-Power-Consumption Linear Pseudo Differential Transconductance Amplifiers for Ultra-High Frequency Applications*"

Abstract: The commercialization of Ultra-WideBand (UWB) ranging from 3.1-10.6 *GHz* by Federal Communication Commission (FCC) has recently emerged as a promising technology for short-range wireless data communications. The applications of wireless data communications are RF Tag, wireless sensor networks, and Wireless Personal Area Network (WPAN).

In this research work, two "low-voltage, low-power Pseudo Differential (PD) Operational Transconductance Amplifiers (OTAs)" are proposed for the design of Ultra-High Frequency (UHF) low-pass filter, which is one of the basic blocks in the design of UWB Transceiver for UWB WPAN applications. These OTAs have a unity gain bandwidth of 800 *MHz* and 1.2 *GHz*, and a transconductance of 2.5 *mS* with a 5.3 dBm IIP3 and 2.15 *mS* with a 7 *dBm* IIP3, respectively. The implemented low-pass filter has a cutoff frequency of 400 *MHz* with an attenuation of 30 *dB* at 600 *MHz*.

Implementation: Cadence

Sept 2005 - April 2006 **B.Tech Thesis**

Title: "*Automation of APCO Co-operative Credit Society*"

Abstract: It registers the employees to the society and maintains their details .The members will be sanctioned loans and the loan will be recovered on monthly basis. A part from this the administrator can view the updated status of the employees such as the loan sanctioned to him, thrift collected, loan recovery status and the monthly and yearly budget of the status.

Implementation: HTML, Java script, PHP, Postgresql, Linux

Research Interests:

- Analog Integrated Circuit Design
- RFIC Design
- Mixed signal Integrated Circuits
- VLSI Design

Proficiency:

Design Tools	: Cadence and ADS
Languages	: C and Data structures
DBMS Packages	: Postgresql
Operating Systems	: MS DOS, Windows *.*, Linux
Web Designing	: HTML, PHP

Scholarships and Awards:

Feb 2007~Feb 2009: Achieved the **Samsung Electronics Genius Scholarship Program at Information and Communications University (GSP-ICU),** South Korea annually totaling 12,400,000 won.

May 2004~Oct 2005: Achieved the **merit scholarship from The SJ Zindal Medical Relief Society ,**Bangalore annually totaling Rs.14,400/-

2000: Awarded **Best Student & Leader Award** during (1999-2000) session in school

List of Publications:

International Conferences

1. **Anil Kavala**, Kondekar P.N, and Yang Sun, "A 1.2 *V* Pseudo Differential OTA for Ultra-High Frequency Applications," *Proc. MIC-CNIT'08,* pp. 115-119, Dec. 2008, Amman, Jordan.
   ISBN: 978-9957-486-04-4

2. **Anil Kavala** and Kondekar P.N, "A Low Voltage, Low Power Linear Pseudo Differential OTA for UHF Applications," *Proc. ISWPC'09*, Feb 2009, Melbourne, Australia
   ISBN: 978-1-4244-2966-0

Conferences and Workshops Attended:

- International Symposium on Wireless and Pervasive Computing (ISWPC'09), Feb 11-13th 2009, (Melbourne, Australia).
- Microsoft Research Asia's 9th computing in the 21st Century conference, Nov 2nd, 2007 in Seoul, Korea.
- Project Management Institute (PMI) pearlcity chapter workshop, 2005, (Ongole, India).
- Convergence 2K5 Workshop, 2005, (Hyderabad, India)

Language Proficiency:

Telugu:	Native Language
English:	• IELTS (Academic): 6.0 (Listening 6.5, Reading 5.5, Speaking 7.5, Writing 5.5) Date: Nov 29th, 2008. • The medium of instruction in the graduate, undergraduate, and intermediate program was in English.
Hindi:	Indian National Language
Korean:	Studied up to three levels at KAIST-ICC, Korea Advanced Institute of Science and Technology (KAIST), Korea.

Personal Details:

Name	Anil Kavala
Father's Name	K. Venkatanarsu
Mother's Name	K. Krishnaveni
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Permanent Address	S/o Kavala Venkatanarsu, Chuttugunta, Anandapuram, Kandukur, Prakasam District, Andhra Pradesh, India. Pin : 523-105
Sex	Male
Marital Status	Single
Nationality	Indian
Date of Birth	June 22, 1985

Reference:

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