



INSTITUTE OF TECHNICAL EDUCATION & RESEARCH
(Faculty of Engineering)
SIKSHA 'O' ANUSANDHAN UNIVERSITY
(U/S-3 of the UGC Act. 1956)



CV

Name of the Post: ASSISTANT PROFESSOR Department : Electronics & Communication Engg.

Specialization: Telematics & Signal Processing, Wireless Digital Communication

1. Name: ARUN AGARWAL

2. Educational Qualification (HSC onwards)

Degree	University Board/Institute	Year of passing	Class/ Division	% of marks CGPA	Major Subjects (s)
10 TH	I.C.S.E, New Delhi	1997	1 ST Div.	76%	Phy, Chem, Math
10+2	C.H.S.E, Bhubaneswar	1999	1 ST Div.	67%	Phy, Chem, Math
B.E.	Sambalpur University, Padmanava College of Engg.	2003	1 ST Div.	71%	Electronics & Telecommunication Engg.
M.Tech	NIT, Rourkela	2010	1 ST Div.	8.90 CGPA	Telematics & Signal Processing

3. Work Experience:

A).

Employer address	YEAR From To	Teaching	Research	Industry	Others
Ardee Business Services Pvt. Ltd., Rourkela	28-01-2004 to 14-08-2004			Industry	
Padmanava College of Engg., Rourkela	16-08-2004 to 03-11-2005	Teaching			
ITER college, Bhubaneswar.	03-11-2005 Continuing.	Teaching			

B). Reviewer of International Journal of Science and Technology Education Research (IJSTER)

4. Promotion Status:

Sl. No.	Post held	Date of joining
1.	Assistant Professor	06-07-2010

5. Membership of Faculty in learned society:

Sl. No.	Name of the society	Date of enrollment	Grade of membership	Year of membership
1.	IEEE	20-02-2011	Member (91224799)	2011
2.	IACSIT	28-12-2010	Life Member(80340276)	2010
3.	The Institution of Engineers (India)	29-10-2010	Associate Member (AM098723-1)	2010
4.	ISTE	06-05-2008	Life Member(LM- 56909)	2008
5.	IETE	07-07-2008	Life Member(AM- 202266)	2008
6.	OITS	29-10-2006	Life Member	2006

6. Seminar/Conference/Workshop attended:

Name of the seminar / workshop attended	No of paper presented	National	International	Duration		venue
				From	To	
National Seminar on MEMS & Nanotechnology (NSOMN-2012)	-	√		Oct 4 th	5 th 2012	Trident Academy of Technology, Bhubaneswar, India
One day Workshop on "Nanomaterials and Nanotechnology", Organized by ITER Science Innovators Club	-	√	-	23 rd Sept, 2012		ITER college.
Technical talk on Solar Power Tree and Tsunami belt by Dr. S.N. Maity of CMERI, Durgapur, Organized by Mechanical Engg. Dept	-	√	-	8 th Sept, 2012		ITER college.
One day Seminar on, "Better Graduates for a Better Tomorrow", Organized by Pearson Education		√		18 th Aug- 2012		MayFair Lagoon Hotel, Bhubaneswar.
One-day Faculty Development	-	√	-	22 nd		Silicon Institute

Program on “Fundamentals of Fuzzy Logic and its Applications”, Organized by Silicon Institute of Technology under the banner of OITS				Aug-2012		of Technology, Bhubaneswar
Faculty Development Program (FDP) on “Recent Trends in VLSI Design and Embedded Systems” (RTVDES-2012)	-	√	-	26	28 th July-2012	CV Raman College of Engineering, Bhubaneswar. BPUT sponsored.
IEEE EDS MINI-COLLOQUIUM on “CMOS Technology”	-	√	-	7 th April, 2012		GITAM College, Bhubaneswar
One day Workshop on “Signal Processing Applications in Communication”, organized by Electronics Dept., KIIT University	-	√	-	24 Mar, 2012		KIIT College, KIIT University
One day Seminar on “ANDROID APPS FOR ENTREPRENEURERS”, organized by Innovation & Entrepreneurship Development Cell, ITER.	-	√	-		28 th Feb, 2012	S’O’A University, ITER college
Attended Talk on “Quality of signal in Transparent Optical Networks”, organized by the Dept. of ECE		√			25 th Feb, 2012	S’O’A University, ITER college.
Attended “Training on LABVIEW Software”, organized by the Dept. of ECE		√		7 th	8 th Feb, 2012	S’O’A University, ITER college.
IEEE Winter School on Advances in Computational Intelligence: Algorithms and Applications	-	√		26	27 TH Dec, 2011	S’O’A University, ITER college.
1st National Conference on Workplace Communication: Strategies For Competence Building (NCWCSCB-2011)	-	√		22	23 rd Dec, 2011	S’O’A University, ITER college.
One day Workshop on “Multifunctional Nanomaterials”, organized by Physics dept. ITER.	-	√	-	26 Nov, 2011		S’O’A University, ITER college
National Conference on	1	√		12	13 TH	GITA College,

Emerging Trends in Information & Computing, Communication Technology (ETICT-2011)					Nov, 2011	Bhubaneswar.
2nd National Conference on Computing, Communication and Sensor Network (CCSN-2011)	1	√		29	30 TH Oct, 2011	PIET College, Rourkela.
One day Workshop on “Machine Learning & Applications”, organized by ECE & EIE dept. ITER.	-	√	-	14 Oct, 2011		S’O’A University, ITER college
National Seminar on Recent Trends in Nanoscience & Technology (RINT-2011), pp 48-51 and pp 73-78, ISBN: 978-81-921034-3-3	2	√		Sept 16 th	17 th 2011	Trident Academy of Technology, Bhubaneswar, India
National Symposium on “Where is Intelligent Computing?”	-	√	-	Sept 9 th , 2011		CV Raman College of Engineering, Bhubaneswar.
One day Workshop on “MEMS & Its Applications”, organized by ECE & EIE dept. ITER.	-	√	-	22 Jan, 2011		S’O’A University, ITER college
IEEE EDS MINI-COLLOQUIUM on “Nanoelectronics”	-	√	-	28 th Dec, 2010		GITAM College, Bhubaneswar
Workshop on “NI LabView Software & Applications”, organized by ECE & AEI dept. ITER.	-	√	-	28 Sept	29 Sept, 2010	ITER college
Short Term Course on “Design and Measurement of RF & Microwave Circuits”	-	-	-	12 July	16 July, 2010	IIT, KANPUR
Short Term Course/ Summer School on “Optical Communication Networks”	-	-	-	22 Jun	03, July, 2009	IIT, KHARAGPUR
National Conference on NCRACKT	-	√	-	30 Jan	01 Feb, 2009	NIT, ROURKELA
Short Term Course/Summer School on “RF Techniques for Wireless Comm.”	-	-	-	01 July	12 July, 2008	IIT, KHARAGPUR
Short Term Course on “ Soft and Evolutionary Computation”	-	√	-	15 Sept	28 Sept, 2008	NIT, ROURKELA

Workshop on EMI/EMC	-	√	-	19 Sept	20 Sept, 2008	NIT, ROURKELA
National Seminar on RACT organized by KISD & KEC	-	√	-	17 Feb	2007	Hotel Presidency, Bhubaneswar
Workshop on DSP tools and Practice organized by ECE dept. ITER.	-	√	-	5 Oct	6 Oct, 2007	ITER college
International Conference on ICIT organized by ITER & OITS.	-	-	√	18 Dec	21 Dec, 2006	Hotel Crown, Bhubaneswar

7. i. Publication :

Title of books	Author	Publishers	Year of edition
* Book writing is on the way. "Analog Comm., Digital Comm., Mobile Comm., Optical Comm.	Arun Agarwal	MN, BK publishers & others	

7 ii. Research papers in National /International Journals :

Author	Name of the journal	Publisher	Volume	Page
Arun Agarwal "Performance analysis of OFDM based DAB systems Using Concatenated coding technique"	AMR is the Advanced Materials Research Journal, (ISSN: 1022- 6680) is Indexed by Elsevier:SCOPUS www.s copus.com and Ei Compendex (CPX) www.ei.org/ . Cambridge Scientific Abstracts (CSA) www.csa.com , Google and Google Scholar google.com , ISI (ISTP, CPCI, Web of Science) www.isinet.com , Institution of Electrical Engineers	Trans Tech Publications Inc. Kreuzstrasse 10, 8635 Durnten-Zurich. Switzerland	*Vol. 403 - 408 2011	pp 105- 113

	(IEE) www.iee.org , etc.			
Arun Agarwal "Modeling and Performance prediction of Eureka-147 OFDM based DAB system"	International Journal of Electrical and Electronics Engineering (IJEEE) ISSN (PRINT): 2231 - 5284, indexed with DOAJ, Google Scholar	IPM Pvt. Ltd.	Vol 1, Issue-II 2011	pp33-38
Arun Agarwal "Performance prediction of Eureka-147 DAB system Using Interleaving and different Coding rates"	AMR is the Advanced Materials Research Journal, (ISSN: 1022-6680) is Indexed by Elsevier:SCOPUS www.scopus.com and Ei Compendex (CPX) www.ei.org/ . Cambridge Scientific Abstracts (CSA) www.csa.com , Google and Google Scholar google.com , ISI (ISTP, CPCI, Web of Science) www.isinet.com , Institution of Electrical Engineers (IEE) www.iee.org , etc.	Trans Tech Publications Inc. Kreuzstrasse 10, 8635 Durnten-Zurich. Switzerland	*Vol. 403 - 408 2011	pp 4119-4125
Arun Agarwal "Design and Simulation of COFDM for high speed wireless communication and Performance analysis"	IJCA - International Journal of Computer Applications, ISBN: 978-93-80865-49-3 indexed with DOAJ, Google Scholar, Informatics, ProQuest CSA Technology Research Database, NASA ADS (Harvard Univ.), CiteSeer, UlrichWeb, ScientificCommons	Published By FCS® (Foundation of Computer Science, USA)	Vol-2 2011 Impact factor =0.85	pp 22-28

7. iii. Papers present /Participation in state/National /International / workshop /Edp /MDP

Name of the Conference	Date	Year	Place
Paper presented in IEEE International Conference on MEMS, Nano & Smart Systems (ICMENS-2010). IEEE Explore, Indexed by Scopus. IEEE Catalog Number: CFP10327-PRT ISBN: 978-1-4244-8686-1, pp 6-12. And also In AMR (Advanced Materials	Dec 14 th -15 th	2010	Changsa, China "Performance analysis of OFDM based DAB systems Using Concatenated coding technique"

Research) International Journal, (ISSN: 1022-6680), vol. 403-408, pp 105-113 ISBN-13: 978-3-03785-312-2			
Paper presented in National Conference on Next Generation Comm. And Computing (NGCC- 2010)	Dec 23 rd -24 th	2010	NMIET College, Bhubaneswar, India "Performance analysis of OFDM based Digital Audio Broadcasting system using protection level1"
Paper presented in International Joint Conference on Information & Comm. Technology (IJcICT-2011)	Jan 8 th - 9 th	2011	Hotel Presidency, Organized by IIMT, Bhubaneswar, India "Modeling and Performance prediction of Eureka-147 OFDM based DAB systems"
Paper presented in National Conference on Recent Trends in Communication & Technology (RTCT-2011), Conference Proceedings, page 15-19, ISBN: 978- 81-920559-1-6, Jan-2011	Jan 22 nd -23 rd	2011	KIST College, Bhubaneswar, India "Performance Prediction of OFDM based DAB system Using Cyclic & Hamming coding Techniques"
Paper presented in IEEE International Conference on Emerging Trends in Electrical and Computer Technology (ICETECT- 2011). IEEE Explore, Indexed by Scopus. IEEE Catalog Number: CFP1155K-CDR ISBN: 978-1-4244-7925-2	Mar 23 rd -24 th	2011	Nagarcoil, Kanyakumari, India "Performance prediction of OFDM based DAB system using Block coding techniques"
Paper presented in IEEE International Conference on Electronics Computer Technology (ICECT 2011). IEEE Explore, Indexed by Scopus. IEEE Catalog Number: CFP1195F-PRT ISBN: 978-1-4244-8677-9	Apr 8 th - 10 th	2011	Kanyakumari, India "Performance prediction of OFDM based Digital Audio Broadcasting system using Channel protection mechanisms"
Two Papers presented in National Seminar on Recent Trends in Nanoscience & Technology (RINT- 2011), pp 48-51 and pp 73-78, ISBN: 978-81-921034-3-3	Sept 16 th -17 th	2011	Trident Academy of Technology, Bhubaneswar, India 1. "Application of RF MEMS based BAW (bulk acoustic wave) resonators in Mobile communication" 2. "22nm Tri-gate Transistors and beyond"

Paper presented in 2 ND National Conference on Computing, Communication and Sensor Network (CCSN-2011) in conference proceedings, ISBN: 81-85824-46-0. Also the Paper is published in International Journal Of Computer Application (IJCA), ISBN: 978-93-80865-49-3, Vol-2, pp 22-28.	Oct 29 th -30 th	2011	PIET College, Rourkela, India "Design and Simulation of COFDM for high speed wireless communication and Performance analysis"
Paper presented in IEEE International Conference on MEMS, Nano & Smart Systems (ICMENS-2011). IEEE Explore, Indexed by Scopus. In AMR (Advanced Materials Research) International Journal, (ISSN: 1022-6680), vol. 403-408, pp 4119-4125 ISBN-13: 978-3-03785-312-2	Nov 4 th -6 th	2011	Kuala Lumpur, Malaysia "Performance prediction of Eureka-147 DAB system Using Interleaving and different Coding rates"
Paper presented in National Conference on Emerging Trends in Information & Computing, Communication Technology (ETICT-2011), in conference Proceedings, pp 80-87.	Nov 12 th -13 th	2011	GITA College, Bhubaneswar, India "4G - Next generation Mobile Wireless Networks"
Paper presented in IEEE International Conference on Energy, Automation and Signal (ICEAS-2011), IEEE Explore, Indexed by Scopus. IEEE Catalog Number: CFP1169-ART ISBN: 978-1-4673-0136-7	Dec 28 th - 30 th	2011	S'O'A University, ITER college "Efficient receiver synchronization for Eureka 147 OFDM based DAB systems using phase reference symbol"

8. PROJECT GUIDANCE:

- I. Physical layer implementation of Fixed and Mobile WiMAX system and performance analysis. (M.TECH-2012, Software)
- II. PC to PC Communication using Power line. (B.TECH-2012, Hardware)
- III. Universal Protection System. (B.TECH-2012, Hardware)
- IV. Implementation and performance prediction of COFDM for high speed wireless communication. (B.TECH-2012, Software)
- V. BER Performance analysis of OFDM system. (M.TECH-2011, Software)
- VI. Design & Performance analysis of COFDM for high speed wireless communication. (B.TECH-2011, Software)

VII. Performance analysis of DVB systems. (M.TECH-2012, Software-CONTINUING)**9. Personal details:**

Name	: Arun Agarwal	Employee Code No.	:061123089
Father's Name	:Sri Ashok Kumar Agarwal	Religion	:HINDU
Date of Birth	:23-01-1980	Nationality	:INDIAN
Email id	:arun.agarwal23@gmail.com	Caste: SC/ST/OBC/GEN	:GEN
Phone No.	:NIL	Mobile No.	:9937106292
PAN Card No.	:AFZPA6881P	Marital Status	:Married
Physical Handicapped	NO		

10. Address for communication:ITER COLLEGE, SIKSHA 'O' ANUSANDHAN UNIVERSITY,JAGAMARA, JAGMOHAN NAGARPO: KHANDAGIRI, DIST: KHURDA, BHUBANESWAR, ORISSA.PIN CODE: 751030Ph. No. NILMob: 9937106292**10. Permanent Address**Q. NO. L-3, PHASE-I, BASANTI COLONYROURKELA, DIST: SUNDARGARHPIN CODE: 769012Ph. No. 0661-2420869Mob: 9937106292**DECLARATION :**

I hereby declare that the above information are correct to the best of my knowledge . If any of the information is found wrong in future, I shall be held responsible for the same and action will be taken against me as per rule.

Date: 10-11-2012


Full Signature of the candidate