


FACULTY PROFILE

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Name of the Faculty	Designation/ Affiliation	Address/Contact	Email (Institute) @kitsw.ac.in	
Dr. Akkala Subba Rao	Associate Professor	Office: Dept. of ECE, Phone: 0870 2564888 Mobile: 7416404566	subbarao_ka@yahoo.com	

EDUCATION

Degree	Details (specialization)	Institute/University	Month, Year completed
Ph.D.	Antennas and Microwave Integrated Circuits	National Institute of Technology, Tiruchirappalli	Aug. 2013
M.Tech.	ICS	JNTU Kakinada	Feb. 2008
B.Tech.	ECE	Nagarjuna University	May, 1997

ACADEMIC AFFILIATION

Details	From (Month, Year)	To (Month, Year)	Name of the Organization
Associate Professor	27/07/2019	Till Date	Kakatiya Institute of Technology and Science, Warangal
Associate Professor	06/05/2013	25/07/2013	SR Engineering College, Warangal
Teaching Research Associate	06/10/2007	01/08/2008	Anna University, Trichy
Senior Lecturer	11/07/2005	05/10/2007	Pratyusha Institute of Technologys and Management
Assistant Professor	04/06/2003	02/06/2005	VRS & YRN College of Engineering and Technology
Lecturer	05/07/1999	02/06/2003	SIET

RESEARCH INTERESTS

<i>Planar Antennas, Microwave Integrated Circuits, Metamaterials, Embedded Systems</i>
<i>Ph.D Title: Investigations on Ultrawideband Planar Antennas</i>

DETAILS OF PUBLICATIONS

Publications in Refereed Journals

S.No	Details
1	Akkala Subbarao and S. Raghavan, "Compact Coplanar Waveguide-fed Planar Antenna for Ultra-wideband and WLAN Applications," <i>Wireless Personal Communications</i> , Vol. 28, pp. 2849-2862, 2013 Impact factor: 1.2
2	A.Subbarao and S. Raghavan, "Compact CPW-fed UWB Slot Antenna with Triple Band-notched Characteristics," <i>Microwave Optical Technology Letters</i> , Vol. 55, No. 9, pp. 2113-2117, September 2013 Impact factor: 0.948
3	A.Subbarao and S. Raghavan, "Printed Planar UWB Antenna with rejection of WLAN and WiMAX bands," <i>Microwave Optical Technology Letters</i> , Vol. 55, No. 4, pp. 740-744, September 2013 Impact factor: 0.948.
4	A.Subbarao and S. Raghavan, "A Novel Ultra-wideband Planar Antenna with Rejection of WLAN and ITU Bands," <i>Applied Computational Electromagnetic Society Journal</i> , Vol. 28, No. 9, pp. 821-827, Sep 2013, SCI indexed Journal
5	A.Subbarao and S. Raghavan, "A Compact UWB Slot Antenna with Signal Rejection in 5-6 GHz band," <i>Microwave Optical Technology Letters</i> , Vol. 54, No. 5, 1992-1996, 2012. Impact factor: 0.948.
6	A.Subbarao and S. Raghavan, "Coplanar Waveguide-fed Ultra-wideband Planar Antenna with WLAN Rejection," <i>Journal of Microwaves, Optoelectronics and Electromagnetic Application</i> , Vol. 12, No.1, pp. 50-59, 2013, Scopus Indexed
7	A.Subbarao and S. Raghavan, "A Miniaturized Ultra Wideband Slot Antenna with Band Notched Characteristic," <i>International Journal of Microwave Optical Technology</i> , Vol. 6, No. 5, pp. 278-283, 2011, Scopus Indexed
8	Akkala Subba Rao, Pratik Ganguly, "Power Optimization in System on Chip by Implementation of Efficient Cache Architecture " , <i>International Journal of Industrial Electronics and Electrical Engineering</i> , Vol.-5, Issue 1, Jan, 2017, ISSN(p) : 2347-6982, ISSN(e) : 2349-204X, UGC recognized Journal
9	Akkala Subba Rao, Pratik Ganguly, " Design of Efficient Cache Memory with Power Optimization" , <i>International Journal of Emerging Technology and Advanced</i> , Vol. 7, Issue 10, pp. 267-271, Oct. 2017, UGC recognized Journal Paper
10	A. Subba Rao, K.Sreedhar, S. Raghavan, N. Gayatri,"A Novel Compact Ultra-Wideband Antenna with Hybrid IE3D/GA Optimization", <i>International Journal of Engineering and Technology</i> , Vol. 9, Issue 4.39, pp. 742-746, December 2018, Scopus Indexed
11	A. Subba Rao, G. Pooja "Intellectual Bank SMS based Theft Preemption and Security", <i>Jour of Adv Research in Dynamical & Control Systems</i> , Vol. 07, 13-Special Issue, pp. 1452-1459, December 2018, Scopus Indexed
12	A.Subba Rao, Sri VidyaGarige, "IOT Based Smart Energy Meter Billing Monitoring and Controlling the Loads", <i>International Journal of Innovative Technology and Exploring Engineering</i> , Vol. 8 Issue 4S2, pp. 3410-344, March 2019, Scopus Indexed

13	A. Subbarao, K.Sahithya, "Driver Drowsiness Detection System for Vehicle Safety", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8, Issue- 6S4, pp. 815-819, April 2019, , Scopus Indexed
Publications in Refereed Conference Proceedings	
S. No	Details
1.	A. Subbarao and S. Raghavan, Compact UWB Monopole Antenna with Tapered Ground Plane <i>Progress In Electromagnetics Research Symposium Proceedings</i> , Taipei, March 25-28, 2013, 663-666, 2013
2.	A. Subba Rao, Pratik Ganguly, "Implementation of Efficient Cache Architecture for Performance Improvement in Communication based Systems", International Conference on Current Trends in Computer, Electrical, Electronics and Communication (ICCTCEEC), Mysore, 8-9 Sep 2017
3.	A. Subba Rao, Pratik Ganguly, "Power Optimization in System on chip by implementation of Efficient Cache Architecture", International Conference on Knowledge, Information and Sciences (ICTKITS-16), KKR & KSRITS, Guntur, India, 11-12 November 2016
4.	A. Subbarao and D. Lavanya, "Gas leakage detection with XBEE technology based on low power PIC microcontroller", ICRACVES-2014, SREC, India, 19-20 December 2014
5.	A. Subbarao and M. M. Irfan, "Redefining and Renovating Social Learning", ICTIEE 2015, BMSCE, Bangalore, India, 2-6 January 2015
6.	A. Subbarao, S. Raghavan and M. Ramaraj, "Novel Microstrip-fed UWB Antenna with CSRR Slot for Signal Rejection in 5-6 GHz Band", PIERS Proceedings, Moscow, Russia, 19-23 August, 636-639, 2012
7.	A. Subbarao, S. Raghavan, Ch. Anandkumar, M. Ramaraj and R. Pandeewari, "A Compact Ultra Wideband EBG Antenna with Band Notched Characteristics", PIERS Proceedings, Moscow, Russia, 19-23 August, 1588-1591, 2012
8.	A. Subbarao, and S. Raghavan, "A Novel Pot Shaped CPW-fed Slot Antenna for Ultra Wideband Applications", International Conference on Emerging Trends in Electrical and Computer Technology (IEEE-ICETECT 2011), Nagarcoil, India, 23-24 March, 1119-1122, 2011
9.	A. Subbarao, A. and S. Raghavan, "A Band Notched Slot Antenna for UWB Applications", International Conference on Computer, Communication and Electrical Technology (IEEE-ICCCET 2011), Maruthakulam, India, 18-19 March, 242-247, 2011
10.	A. Subbarao and S. Raghavan, "A Compact Band Notched Antenna for Ultra Wideband Applications", International Conference on Communication and Signal Processing (ICCOS 2011), Coimbatore, India, 17-18 March, 283-286, 2011
11.	A. Subbarao and S. Raghavan, "A Miniaturized CPW-fed Rocket Shaped UWB Antenna for Wireless Applications", IEEE International Conference on Wireless Communications, Vehicular Technology, Information Theory and Aerospace and Electronic Systems Technology (IEEE- WiRELESS ViTAE 2011), Chennai, India, 28 th February to 3 rd March, 2011
12.	A. Subbarao and S. Raghavan (2010) A Compact CPW fed Arrow Shaped Monopole Antenna for UWB Applications. International Conference on Communication, Computing and Networking Technologies (IEEE ICCCNT- 2010), Karur, India, 29-31 July, 1-4
13.	A. Subbarao and S. Raghavan, "Wide band CPW-fed Rocket Shaped Antenna for UWB

	Applications”, International Conference on Signals, Systems and Communication (ICSSC-2009), Anna University, Chennai, India, 21-23 December, 2019
14.	A. Subbarao and S. Raghavan, “ A Novel CPW-fed Antenna for Ultra Wideband and WLAN Applications”. International Conference on Microwaves, Antenna, Propagation & Remote Sensing (ICMARS-2009), Jodhpur, India, 19-21, December, 2009
15.	A. Subbarao and S. Raghavan, “A Compact CPW fed Monopole Slot Antenna for UWB Applications”, IEEE–INDICON-2009, Ahmedabad, India, pp. 1-4, 18-20 December
16.	Subbarao, A. and S. Raghavan, “Wide band notched CPW-fed Fork shaped monopole Antenna for UWB Applications”, 12th International Symposium of Microwave and Optical Technology (ISMOT-2009), New Delhi, India, pp. 478-481, 16-18 December, 2009.
17.	A. Subbarao and S. Raghavan, “A Compact CPW fed Monopole Slot Antenna for UWB Applications”, IEEE International Conference on Applied Electromagnetic Conference (IEEE–AEMC-2009), Kolkata, India, 14-16, 1-4, December, 2009
18.	A. Subbarao and S. Raghavan, “Conductor Backed H shaped antenna fed by CPW for Wide band Applications”, IEEE International Conference on Advances in Recent Technologies in Communication and Computing (IEEE-ARTCOM-2009), Kottayam, India, October 27-28, 2009, 495-497, 2009
19.	A.Subbarao and S. Raghavan, “Wideband Microstrip U-Slot Antenna for Wireless Applications”, National Conference on ADELCO2009, Kovilpatti, India, pp.140-143, 4 th April, 2009
20.	A. Subbarao and S. Raghavan, “A Novel Coplanar Waveguide fed Planar Monopole Antenna for X-band Applications”, National Symposium on Antennas and Propagation (APSYM 2010), Kochi, India, 14-16 December, 2010

S.No	Details	Value(Rs.)	Status
1	<i>SERB-DST funded Young Scientist Scheme based Project on “ Software Controlled Caches for Processors”</i> Role: Principal Investigator	Grant-in-Aid Sanctioned: Rs. 29,20,280/-	<i>Completed</i>

INTERNATIONAL CONFERENCES ATTENDED:

- I actively participated WEEF 2014, Dubai from 2/12/2014 to 06/12/2014
- I participated in ICTIEE 2018 conference in Hyderabad on 05/01/2018

FDPS / STTPS / WORKSHOPS / SHORT-TERM COURSES ATTENDED:

S.No.	Details	Venue	Dates
1.	Research in Engineering Education	S R Engineering College, Warangal	20/12/2017 & 21/12/2017
2.	IUCEE International Engineering Certificate Program	IUCEE program from S R Engineering College	Nov. 2016 to Aug.2017
3.	IUCEE Gurukuls for Learning and Outcome based Education-First Gurukul Summit	KLE Tech. University, Hubli	28/07/2016 & 29/07/2016
4.	Recent trends in VLSI and Embedded Systems	S R Engineering College, Warangal	17/03/2017 & 18/03/2017
5.	Intellectual Property Rights and Innovation Management	S R Engineering College, Warangal	17/08/2017 &18/03/2017
6.	FDP on “Lines & Waves: The transmission of Energy”	NIT, Warangal	31/10/2015 to 09/11/2015
7.	Short term course on ‘Soft Computing Tools and Practice on Signal and Image Processing Application’	NIT, Rourkela	09/07/2012 to 14/07/2012
8.	SDP on ‘Advanced Microwave Technology’	SIRTS, Bhopal	11/07/2011 to 23/11/2011
9.	AICTE-MHRD sponsored faculty development programme on ‘Recent Trends in Microwave Integrated Circuits’.	NIT, Trichy	13/07/2010 to 17/07/2010
10.	Course on ‘Total Quality Management’	College of Engineering, Guindy, Chennai	12/12/2005 to 17/12/2005
11.	Induction Training programme in Pedagogy	Crescent Engineering College, Chennai	03/11/2003 to 15/11/2003

Workshops Organized:

S.No.	Title of Workshop	Place	Duration		Co-ordinator /Organizing Committee Member
			From	To	
1	International Engineering Educator Certificate Program	SR Engineering College	05/03/2018	08/03/2018	Main Co-ordinator
2	Engineering Educator Training Program	SR Engineering College	22/07/2017	16/10/2017	Main Co-ordinator
3	Research in Engineering Education	SR Engineering College	20/12/2017	21/12/2017	Main Co-ordinator
4	Student Consortium in Advanced Learning in Engineering Education (SCALE)	SR Engineering College	14/09/17	16/09/17	Main Co-ordinator
5	International Engineering Educator Certificate Program	SR Engineering College	14/11/16	16/11/16	Main Co-ordinator
6	Design and Implementation of Student Centred Learning	SR Engineering College	03/01/2016	04/01/2016	Main Co-ordinator
7	AAVISHKAR-16	SR Engineering College	27/02/2016	-	Main Co-ordinator
8	AAVISHKAR-14	SR Engineering College	02/08/2014	-	Main Co-ordinator
9	SPEED 2015	SR Engineering College	06/08/2015	08/08/2015	Organizing Committee Member
10	SPEED 2014	SR Engineering College	14/09/2014	16/09/2014	Organizing Committee Member

Co-Chair in International Conferences & Guest Lectures and Invited Talks

- Acted as Co-chair for a Session in International Conference on Recent Trends in Electrical, Electronics and Computing technologies (ICRTEECT-2017) on 31/07/2017
- Delivered a Lecture on Ie3d in TEQIP sponsored two days National Workshop on 'CAD of microwaves' conducted by ECE Dept., National Institute of Technology, Tiruchirappalli on 28/07/2013

ABROAD VISITS			
Place of visit	Purpose of visit	Name of Event	Duration
DUBAI	I have actively participated in the program as member of IUCEE team from SR Engineering College	World Engineering Education Forum, December 2014	5 days (02/12/2014 to 06/12/2014)

COURSES TAUGHT			
Undergraduate Level			
Courses Taught		Currently Teaching	
Course	Semester, Year, Branch	Course	Semester, Year, Branch
<i>Electronics Devices and Circuits</i>		<i>Microprocessor and Microcontroller</i>	<i>V Sem, 3rd year, EEE</i>
<i>Electronic Circuit Analysis</i>			
<i>Electro Magnetic Fields and Transmission Lines</i>			
<i>Antenna and Wave Propagation</i>			
<i>Microwave Engineering</i>			
<i>Analog Communications</i>			
<i>Digital Communications</i>			
<i>Professional Ethics and Values</i>			
<i>Engineering Ethics</i>			
<i>Digital Electronics</i>			
<i>Microprocessors and Microcontrollers</i>			
Postgraduate Level			
<i>Guiding PG Projects for M.Tech. (VLSI&ES) students</i>			

PROFESSIONAL AFFILIATION	
S.No	Details
1	Life member in IETE with No: M237135
2	Life member in ISTE with No. LM113313

Other Activities:

Published 5 SCI indexed Journal Papers, Five scopus indexed Journal Papers and two UGC approved Journal Paper

Presented 18 papers in International Conferences and 2 Papers in National Conferences
Working as Academic Advisory committee from August, 2019 onwards in the department of ECE, KITS, Warangal

Working as a member in Project Evaluation Committee in the department of ECE, KITS, Warangal from August, 2019 onwards.

Organized the workshops IIEECP-2018, SCALE-2017, EETP-2017, DISL-2016, AAVISHKAR-2016, SPEED-2015, SPEED-2014, AAVISHKAR-2014 in SR Engineering College.

Served as Technical Committee member in two International Conferences ICRTEECT-2017, ICRAVES-2014 in SR Engineering College

Actively participated in World Engineering Education Forum (WEEF 2014) in Dubai

Involved in the conduction of “Industry Institute Interaction Meet” for departments of ECE, EEE and CSE on 31/01/2015 in SR Engineering College

Actively involved as member of organizing committee, SPARKRILL (a cultural festival), logistics in charge and disciplinary committee member on 24th , 25th and 26th of Jan 2015 in SR Engineering College

Participated in BOS meeting in 2014, 2015, 2016 for design and approval of Syllabus for UG and PG programs in ECE Department

Chairman for R&D committee in ECE department, SR Engineering College from 15/07/2016 to 25/07/2019 and motivated faculty to prepare research proposals and recommended the registration fees for research papers in Conferences from college

Worked as Convener for Indo-Universal Collaboration for Engineering Education (IUCEE) at Institute Level in SR Engineering College, Warangal from 19/02/2015 to 25/07/2019. We organized workshops for Faculty and students and also organized webinars under IUCEE

Dr.A.Subba Rao