

## Somaiya Vidyavihar University

Name: Dr. Kiran V. Ajetroa		E-mail:kiranjetrao@somaiya.edu	
Contact No: 022-66449310			
Department/Section: EXTC			
College: K J Somaiya College of Engineering			
DOJ Somaiya: 2 <sup>nd</sup> July 2012	Career Experience: 18Yrs	Industry Experience: 1Yrs	Teaching Experience:18Yrs
Present Academic Designation: Assistant Professor		Present Administrative Designation: Joint Associate Dean Academic Program.	

### ACADEMIC QUALIFICATION

Sr. No	Qualification	Branch	University / Board	Year of Passing	Percent-age
1.	<b>Doctor of Philosophy</b>	Electronics and Telecommunication Engineering	Savitribai Phule Pune University, (University of Pune)	April 2019	
2.	<b>Masters of Engineering</b>	Electronics & Telecommunication	Shivaji University Kolhapur	2010	First Class with Distinction
3.	<b>Bachelor of Engineering</b>	Electronics & Telecommunication	Shivaji University Kolhapur	2003	First Class with Distinction
4	<b>International Certified career coach</b>		Career Development Alliance USA	August 2020	
5	<b>Certificate of Life Skill Education</b>		Central University of Kerala	August 2020	

### ACADEMIC PROJECTS COMPLETED

Sr. No.	Qualification	Title of Project and Brief Description
1.	<b>Doctor of Philosophy</b>	“Analysis, Design, fabrication and Implementation of metamaterial based antenna with application to real life systems”
2.	<b>Masters of Engineering</b>	“Performance Analysis of CDMA network for mobile communication system.”
3.	<b>Bachelor of Engineering</b>	“Peak load indicator using Microcontroller 89C51”

**EDITORIAL BOARD OF MEMBER:**

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- ✓ **International Journal of Advance Study and Research Work (ISSN:2581-5997)** is an international peer reviewed, monthly, online and open access journal published by **Alborear (OPC) Pvt. Ltd Thane, India** for the enrichment of research in various disciplines.
- ✓ **Global Research and Development Journals (ISSN:2455-5703)** is an international open access online publication which promotes the research works under different domains

### POSITIONS OF RESPONSIBILITIES

- ✓ **Joint Associate Dean Academic program.**
- ✓ **Training and Placement coordinator** Department of Electronics and Telecommunication Engineering, and team member institute level Placement team. Under the training and placement committee organized/coordinated various training activities for students and faculties at department and institute level. Coordinating and conducting the **Student career development programme (SCDP)** for the UG and PG students.
- ✓ **Institute level coordinator** for choice based education.
- ✓ Institute level member of **IRRC (Research Review Committee).**
- ✓ **Member Board of Studies**, Electronics and Telecommunication Engineering.
- ✓ **Task Force Committee member**, under Controller of Examination , **Somaiya Vidyavihar University**
- ✓ **Member Student Welfare Committee**, committee formation as per The Gazette of India, New Delhi dated 12<sup>th</sup> February 2018, regarding Autonomous College affiliated to university of Mumbai.
- ✓ Presently, **Audit course Co-ordinator, at Institute level**, in K. J. Somaiya College of Engineering (An Autonomous Institute Affiliated to the University of Mumbai), Vidyavihar, Mumbai-77. Audit course is a concept in which various courses are offered to second and third year students of their interest. I am handling the responsibility of coordinating and defining the various audit courses from external and internal resource persons. Allotment and implementation of audit courses for second and third year students.
- ✓ Presently, Coordinating the Add On Audit Course (**AOAC**), Add On Credit Course (**AOCC**), Add On and Value Added Course (**AOVC**) at institute level.
- ✓ Presently coordinating the interdisciplinary courses (**IDC**) for third year students at institute level.
- ✓ Presently coordinating the **Exposure courses** for first year students at institute level.
- ✓ Appointed as an **external examiner / referee for M.E. / M. Tech. dissertations / examinations** conducted in other universities such as University of Pune.
- ✓ Handled responsibility as **member, Laboratory Development Committee** that was setup at the department level for formulation of various policies and conducting laboratory audit.

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- ✓ Handled responsibilities as a **convener of Departmental Student activity, Audit course, Departmental Planning Committee, Augmentation programme, Industrial Visit, Higher Study, Purchase Committee.**
- ✓ **In-charge, Integrated Circuits Laboratory,** Department of Electronics and Telecommunication Engineering, K. J. Somaiya College of Engineering, Vidyavihar (2008-2015).
- ✓ **Member of various committees** at the department and Institute level, related to **autonomous syllabus framing** Microwave engineering, Optical fiber Communication, Radar and Satellite Communication, Satellite communication, Digital Logic Design.
- ✓ Worked as **Member of various committees** at the department and Institute level, related to Department Accreditation **(N.B.A.)** an **NAAC**
- ✓ Worked as **Member of various committees** at the department and Institute level, college related undertakings such as admissions, cultural, co-curricular and extra-curricular activities.
- ✓ Handled various responsibilities at the University level, Institute level and Department level as an **Examiner, Moderator, Re-valuator, Vigilance squad member, Special committee member.**
- ✓ Successfully guided more than twenty five undergraduate projects till date.

### ACADEMIC CONTRIBUTIONS

- ✓ Actively involved in the development of **“Microwave engineering laboratory”**, in the Department of Electronics and Telecommunication, at K J Somaiya College of Engineering.
- ✓ Actively involved in the development of **“Integrated Circuit laboratory”** in the Department of Electronics and Telecommunication, at K J Somaiya College of Engineering.
- ✓ Initiatives taken for the development of database of different programming languages for final year students.

### PROFESSIONAL EXPERIENCE

#### 1. INDUSTRIAL

Sr. No.	Post Held / Designation	Department	Organization	From - To
1.	Technical Apprentice	CDOT and Optical Fiber Communication	B.S.N.L Factory, Deonar, Mumbai-77	01/11/2003 to 31/10/2004

#### 2. TEACHING

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Sr. No.	Post Held / Designation	Department	Organization	From - To
1.	<b>Full time permanent Assistant Professor</b>	Department of Electronics & Telecommunication	K. J. Somaiya College of Engineering, Vidyavihar, Mumbai.	02/07/2012 till date
2.	<b>Full time permanent Lecturer / Assistant Professor</b>	Department of Electronics & Telecommunication	Thakur College of Engineering and Technology, Kandivali, Mumbai	23/01/2006 to 30/06/2012
3.	<b>Adhoc Lecturer</b>	Department of Electronics & Telecommunication	M. P. M. F. Polytechnic, Sion, Mumbai	18/01/2005 to 16/01/2006
4.	<b>Adhoc Lecturer</b>	Department of Electronics & Telecommunication	N. E. S. Polytechnic, Bhandup, Mumbai	06/07/2004 to 17/01/2005

### **COURSES TAUGHT**

- ✓ Microwave Engineering, Advance Microwave Engineering, Optical Fiber Communication, Satellite Communication, Radar and Satellite Communication, Indian Economics and Telecom Regulation. Digital Communication, Antennas and Wave Propagation, Radio Frequency Circuit design, Principles of Communication, Digital Logic Design and Basic Electrical and Electronics Engineering.

### **RESEARCH ACTIVITIES (SPONSORED RESEARCH PROJECTS COMPLETED)**

- ✓ *“Design and development of active and passive devices for enhancement of Antenna & microwave laboratory facility”*, Minor research Grant by University of Mumbai, 2016-17.

### **RESEARCH PUBLICATIONS (INTERNATIONAL / NATIONAL JOURNALS)**

- ✓ **K. V. Ajetroa**, A.P. Dhande, K C B Rao, “ Significance of Split Ring Resonator to Design Multiband Operation by Coupling with Monopole”, International Journal of Applied Engineering Research, Volume 13, 2017 pp. 647-650 (**SCOPUS INDEXED**)
- ✓ **K. V. Ajetroa**, A. P. Dhande, Shailendra Shastri, “Metamaterial Based Square Bludgeon shape antenna for WLAN and WiMAX Applications”, Helix Journal, The scientific Explorer, Vol. 8(4), June 2018 (**ESCI, WOS INDEXED**)
- ✓ **K. V. Ajetroa**, A. P. Dhande “Phi shape UWB antenna with Band notch characteristics” , Engineering, Technology and Applied science Research, Vol. 8, No. 4, August 2018 issue, (**ESCI and WOS indexed**)

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- ✓ Shailendra Shastri, Ravish Singh, **K. V. Ajetroa**, "Nonuniform C-Band Loop Antenna", Engineering, Technology and Applied science Research, Greece, Vol. 8, No. 5, August 2018 **(ESCI, WOS INDEXED)**.
- ✓ Shailendra Shastri, Ravish Singh, **K. V. Ajetroa**, "Multiband printed loop antenna for UWB application", Helix Journal, The scientific Explorer, Vol. 8(4), June 2018 **(ESCI, WOS INDEXED)**. (Published in Journal of Research in Electronics).
- ✓ **Kiran Ajetroa**, A. P. Dhande, K C B Rao, "Metamaterial based Multiband and UWB Antenna Using Split Ring Resonator Concept", IOSR Journal of Electronics and Communication Engineering, e-ISSN: 2278-2834,p- ISSN: 2278-8735.Volume 12, Issue 4, Ver. III (Jul.-Aug. 2017), PP 43-48.
- ✓ **K. V. Ajetroa**, A.P. Dhande, "Study of Metamaterials and Analysis of Split Ring Resonators to Design Multiband and UWB Antennas", Grenze International Journal of Engineering and Technology, Volume 2 No 2 , July 2016.

### **RESEARCH PUBLICATIONS (PROCEEDINGS OF INTERNATIONAL CONFERENCES)**

- ✓ **Kiran Ajetroa**, M. R. Dixit, "Performance Analysis of CDMA 2000 1X using Smart antenna System", Innovative Conference on Embedded Systems, Mobile Communication and Computing (Advanced Programme ICEMC<sup>2</sup>) organized by mobile Communication and Networking Center of Excellence(MCNC) at PES School of Engineering Housur Road, Bangalore, 2009.
- ✓ **Kiran Ajetroa**, M. R. Dixit, "Performance Analysis of CDMA 2000 1X for mobile communication systems", International Conference ICWET-2010, at Thakur college of Engineering & Technology, Kandivali, Mumbai.
- ✓ **Kiran Ajetroa**, A. P. Dhande, "Review on Metamaterial and its Application as Antenna", Proceedings of Sixth International Conference on Advances in Engineering and Technology AET 2015.

### **RESEARCH PUBLICATIONS (PROCEEDINGS OF NATIONAL CONFERENCES)**

- ✓ **Kiran Ajetroa**, M. R. Dixit, "Simulation Results For Cell Coverage Area, Throughput and Interference for CDMA2000 1X Using Smart Antenna", AICTE Sponsored National Conference on Emerging Technological Trends, NCETT-2010. Organized by VNS Institute of Technology, Bhopal on 19-20 March 2010.
- ✓ Vishal jain, **K. V. Ajetroa**, "Biomedical Applications of LASER", AICTE Sponsored National Conference on Emerging Technological Trends, NCETT-2010. Organized by VNS Institute of Technology, Bhopal on 19-20 March 2010.

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- ✓ **K. V. Ajetroa**, Vishal Jain, "Recent Trends and Developments in Plastic Optical Fiber", AICTE Sponsored National Conference on Emerging Technological Trends, NCETT-2010. Organized by VNS Institute of Technology, Bhopal on 19-20 March 2010.
- ✓ Shailendra Shastri, **K. V. Ajetroa**, "Compact size dual band loop array", National Conference on Emerging Trends in Engineering & Technology organized by Shree L. R. Tiwari College of Engineering Mumbai on 11<sup>th</sup> march 2011.
- ✓ **K. V. Ajetroa**, Mahesh Patil, "Design and analysis of Hairpin Filter for different substrates", National conference on Recent advances and Challenges in Engineering and Technology, organized by PVPP'S Manohar Phalke Polytechnic Sion, Mumbai on 12 January 2013.
- ✓ **K. V. Ajetroa**, A.P. Dhande, "Concept and Use of Split Ring Resonator as a metamaterial in multiband and UWB antenna", Proceedings of IEEE sponsored National Conference on Electronic materials Thin Films and its Applications.

### PROFESSIONAL MEMBERSHIP

- ✓ Life Member of ISTE (Indian Institute for Technical education)

### PROFESSIONAL ACTIVITIES

- ✓ **Reviewer for** Applied computational electromagnetic society (**ACES**) *Journal*. **Helix Journal**, Engineering Technology and Applied Science Research (**ETASR**) *journal*, and Global Journal of Research in Engineering (**GJRE**) *journal*.
- ✓ **Reviewed 15+ journal research papers** at the International and national level for organizations such as **ACES Journal**, **ETASR Journal**, **Helix Journal** and **GJRE Journal**
- ✓ Reviewed papers for IEEE sponsored Conferences such as International conference and workshop on emerging trends (**ICWET**) 2011.
- ✓ Conducted **Placement Orientation** session every year for the Third Year and Last year students in Electronics and Telecommunication Engineering at K. J. Somaiya College of Engineering, Vidyavihar, Mumbai.
- ✓ **Conducted Group Discussion and Team building activities** to improve the placement of Electronics and Telecommunication Engineering.
- ✓ **Conducted workshops on personality developments and team building activities** in various non-engineering colleges and schools.
- ✓ **Worked as Judge for the Technical paper presentations** and projects competitions organized by IETE council, Students Council and in PRAKALP every year.

### COURSES / WORKSHOPS ORGANIZED

- ✓ Organized One week ISTE approved one week short term training programme on "**Advances in antenna & RFIC/MMIC design**" organized by department of Electronics and Telecommunication Engineering, K. J. Somaiya College of Engineering, Mumbai, held from 24<sup>th</sup> to 28<sup>th</sup> June 2013.
- ✓ **Organizer and technical committee member** for STTP "**RF antenna Design and Analysis**" from June 18-23, 2018.

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- ✓ **Organizing committee member** for STTP on “ IOT and Advances in embedded system” from June 25-29, 2018
- ✓ **Organized and Co-ordinated Student Career Development Programme (SCDP -2019)** for third year students. The aim of this program was to improve the placement of Electronics and Telecommunication. After conduction of this program placement of Electronics and Telecommunication is improved.

### **COURSES / WORKSHOPS ATTENDED**

- ✓ ISTE (Indian Society for Technical Education) approved Two day Seminar on “**Microwave Engineering & Technology**” organized by Thakur College of Engineering and Technology, Mumbai. 21<sup>st</sup> and 22<sup>nd</sup> July 2006.
- ✓ ISTE (Indian Society for Technical Education) approved Two Week STTP (Short Term Training Programme) on “**Faculty Development Programme ( FDP:2006)**” organized by Thakur College of Engineering and Technology, Mumbai, 18<sup>th</sup> to 29<sup>th</sup> December 2006.
- ✓ ISTE (Indian Society for Technical Education) approved Two Week STTP (Short Term Training Programme) on ‘**VLSI: Devices to Application-2006 ( VLDA-2006)**’ organized by Thakur College of Engineering and Technology, Mumbai, 20<sup>th</sup> November to 1<sup>st</sup> December 2006.
- ✓ One day , Orientation Programme on “**Radio Frequency Circuit Design**” , organized by Terna Engineering College, Nerul, Navi Mumbai, 1<sup>st</sup> July 2009.
- ✓ One day , Orientation Programme on “Digital Electronics” Organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai, 9<sup>th</sup> July 2009.
- ✓ Worked as member of Certificate Distribution and Preparation Committee and took responsibility of Distribution of certificates in international conference ICWET-2010, at Thakur college of Engineering & Technology, Kandivali, Mumbai.
- ✓ Worked in the committee of Conference Venue arrangement with responsibility of Arrangement for session in the international conference and workshop on emerging trends in technology ICWET 2011 at Thakur College of Engineering & Technology, Kandivali, Mumbai.
- ✓ Conducted Laboratory session on **Vector Network Analyzer** in one week ISTE approved one week short term training programme on “**Advances in antenna & RFIC/MMIC design**” organized by department of Electronics and Telecommunication Engineering, K. J. Somaiya College of Engineering, Mumbai, held from 24<sup>th</sup> to 28<sup>th</sup> June 2013.
- ✓ Four day Orientation Programme on “ Advance Optimization Technique” organized by K. J. Somaiya College of Engineering, Vidyavihar, Mumbai, February 2014..
- ✓ AICTE Sponsored Two week Faculty Development Programme on “ **RF & Microwave Communication: Fundamentals, Design & Application**” organized by the Department of

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Electronics & Telecommunication Engineering of R. C. Patel Institute of Technology, Shirpur, Dhule during 4<sup>th</sup> to 17<sup>th</sup> May 2015.

- ✓ ISTE approved one week FDP on **“Innovations And applications of Engineering Mathematics”** organized by Vidyalkar Institute of Technology, Wadala(E), Mumbai-400037 during 28 November 2016 to 02 December 2016.
- ✓ AICTE Sponsored one week QIP workshop on **“Wave Theory and Applications”** organized by The Department of Electrical Engineering, VJTI, Matunga during, January 02 – January 07, 2016.
- ✓ CAS Program on **“ ADVANCES IN RF COMMUNICATION AND ANTENNA DESIGN”** organized by Electronics and Telecommunication Department, Sardar Patel Institute of Technology, Andheri (W). during 19th to 23rd June, 2017.
- ✓ FDP101x **Foundation Program in ICT for Education(Online) organized by IIT Bombay** during 3-08-17 to 07-09-17
- ✓ FDP201x **Foundation Program in ICT for Education(Online) organized by IIT Bombay** during Sept 17 to Dec 17
- ✓ AICTE Sponsored two week QIP workshop **“Deep learning with applications in language vision and control”** organized by TCE, Madurai. During 4-12-17 to 17-12-17
- ✓ Texas instrument sponsored one week STTP on **IOT and advances in embedded systems.** Organized by K J Somaiya college of engineering, Vidyavihar, Mumbai. June 25-29, 2018.
- ✓ C2CWC1XA18: Soft Skills, online course by IIT Bombay from 6<sup>th</sup> September 2018 to 4<sup>th</sup> October 2018.
- ✓ C2CWC1XA18: Workplace Communication, online course by IIT Bombay from 4<sup>th</sup> October 2018 to 12<sup>th</sup> November 2018.
- ✓ C2CWC1XA18: Effective use of IT for professional activities, online course by IIT Bombay from 6<sup>th</sup> September 2018 to 4<sup>th</sup> October 2018.
- ✓ Neural Network and Deep Learning using TensorFlow, Organized by Department of Electronics and Telecommunication, SIES Graduate School of Technology, Nerul, Navi Mumbai. 1<sup>st</sup> January 2019 to 5<sup>th</sup> January 2019.
- ✓ Participated in One day FDP on Lateral Thinking organized by TATA Consultancy Services during 11<sup>th</sup> February 2019
- ✓ Successfully achieved student level credential for completing CCNA routing and switching: introduction to networks course, Conducted by CISCO networking Academy during 1<sup>st</sup> July 2019 to 6<sup>th</sup> July 2019.
- ✓ Participated in One day FDP on Stress Management organized by TATA Consultancy Services during 7<sup>th</sup> August 2019
- ✓ Participated in One day FDP by TATA Consultancy Services during 19<sup>th</sup> August 2019.



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**Date:**   /   / 2023

**Signature of Faculty Member**