

RESUME

Name: Mr. Bivalkar Mandar Kisan

Highest Qualification: M. Tech, Ph.D. (Communication Systems, IIT Roorkee)

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mbivalkar@ec.iitr.ac.in

Religion: Hindu



Academics:

Qualification	Specialization/Title	Board/University	Year of Passing	Percent age (%)	Class
Ph.D. (Communication Systems)	“Signal Enhancement Techniques for Microwave Imaging”	Indian Institute of Technology, Roorkee (IIT, Roorkee)	Pursuing	8.41/10 (CGPA in course work)	----
M. Tech	Electronics and Communications	Dr. Babasaheb Ambedkar Technological University, Lonere (Dr. BATU, Lonere)	2011	8.29/10 (CGPA)	First Class with Distinction
BE	Electronics	Shivaji University, Kolhapur	2002	63.80	First Class
Diploma	Electronics and Communications	B.T.E., Bombay	1999	69.05	First Class

Teaching Experience :

Total Teaching Experience: 18 Years

College Name	Department	Post	University Approval Date	Date of Joining	Date of Leaving
Rajendra Mane College of Engineering and Technology, Ambav Devrukh	Electronics and Telecommunication	Lecturer	Ad- hoc	14 th August 2002	30 th August 2003
Konkan Gyanpeeth College of Engineering, Karjat	Electronics and Telecommunication	Lecturer	permanent	01 st September 2003	28 th August 2007
K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai- 22	Electronics	Assistant Professor	University Approval No: CONCOL/ SA/ICD/2012-13/1 Dated 5th October 2012 w.e.f. 29.08.2007	29 th August 2007	Till date

Administrative Experience:

College Name	Post	Date		Department
K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.	Member, Project competition cell	18 January 2017	-	Electronics
	Joint CC	18 Nov 2014	28 Nov 2014	Exam section VCET
	CAP coordinator	22 Dec 2012	22 Dec 2012	Exam section

PhD Details:

Title: Signal Enhancement Techniques for Microwave Imaging

Activity Report:

1. Entrance Test: Cleared entrance exam and interview of admission to the PhD program of IIT Roorkee held on 9th March 2016.
2. Completed 60 days contact period at IIT Roorkee from June 2016- June 2017
3. PhD Registration date: 07rd July 2017.
4. Course Work: Completed department level (Credit courses-12 credits) during July 2017 to Dec 2017.

a) **Appreciation Letter:**

- Received appreciation letter from Mrs. Vrinda Ullas (H.O. D. Electronics) K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai on 28 October 2014.

- Received appreciation letter from Mrs. Vrinda Ullas (H.O. D. Electronics) K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai on 30 April 2015.
- Received appreciation letter from Dr. S. K. Ukarande, Principal, K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai in recognition of highest result for subject "Electromagnetic Engineering" for academic year 2016-17.
- Received appreciation letter from Dr. Sunil Kirloskar, Principal, K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai for highest result in subject "Wireless communication".

b) Research Publications (Conferences/ Journals)

Conference Papers: National: 02, International: 05

1. "CP –orthogonal frequency division multiplexing Vs SC- CP for indoor wireless" ACM digital library ISBN: 978-1-4503-0449-8.
2. "CP –orthogonal frequency division multiplexing Vs SC- CP for indoor wireless" International conference and workshop on emerging trends in technology (ICWET 2011) (6) pp 816- 819 June 25- 26 2011.
3. "Review of Orthogonal Frequency Division Multiplexing for Optical Wireless" 2nd National conference on Emerging trends in information technology (NCETIT 10) Jan 29- 30 2010.
4. "Review of OFDM for Optical Wireless National conference on pervasive computing" (NCPC 10) Feb 25- 26 2011.
5. "Modified Low Rank Approximation for Detection of Weak Target by Noise – Space Exploitation in Through Wall Imaging" was presented in VAMMAM 2018 held at IIT, Roorkee on 24th – 25th August 2018. upgraded version published in DSJ DRDO journal (SCIE index)
6. "An Approach to Detect Low- Dielectric Targets for Through Wall Imaging" 2018 9th International Symposium on Signal, Image, Video and Communications (ISIVC). Rabat, Morocco, 2018, pp. 43-47, doi: 10.1109/ISIVC.2018.8709193. published in IEEE explore, DBLP rank conference
7. "An approach for fault detection in metallic structures using millimeter wave imaging." Accepted at international conference (organized by IEEE) IGARSS 2020 in July 2020 at USA.

International Journal:

1. "Modified Low Rank Approximation for Detection of Weak Target by Noise space Exploitation in Through Wall Imaging." Defence Science Journal, 69(5), 464-468. <https://doi.org/10.14429/dsj.69.14952> Link : <https://publications.drdo.gov.in/ojs/index.php/dsj/article/view/14952>
2. "Entropy-Based Low-Rank Approximation for Contrast Dielectric Target Detection with Through Wall Imaging System" Electronics 2019, 8, 634. Link:<https://www.mdpi.com/2079-9292/8/6/634> (Journal name :ELECTRONICS Publisher MDPI)
3. Paper published in International journal for computer application (IJCA) on "mixed mode modulation scheme for indoor wireless." ISBN 978-93-80747-69-0.

c) Editorial Board Member:

- **Appointed as a Reviewer for International Journal on Signal Processing (IET) – SCI/SCIE index journal.**
- **Appointed as a Reviewer for IEEE Transactions on Geosciences and Remote Sensing (TGRS) - SCI/SCIE index journal.**

d) BE Projects Guided:

Guided 24 undergraduate projects (BE) on different topics till date.

e) Resource Faculty:

Orientation Program:

Invited as a resource faculty for STTP Program on “Mathematical modeling and application in technology at K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai on 12 May 2015.

f) Short Term Training Program Organized or Attended:

Organized STTP “VLSI: Basics through advanced and recent trends” from January 10-14, 2011 at K.J. Somaiya Institute of Engineering and Information Technology Sion, Mumbai

g) Diploma / Certificate Course:

1. Successfully completed certificate course on “Adaptive Signal Processing” in credit mode at IIT Bombay Mumbai during January 2007 – April 2007.

Professional Society Membership:

1. Member of the Institution of Engineering and Technology (MIET),
2. Member of the Institute of Electrical and Electronics Engineers (IEEE).

Other Activities:

- Convener for Anti ragging committee.

Personal Information:

Name	MANDAR KISAN BIVALKAR
Date of Birth	10 November
Place of Birth	Dapoli (Maharashtra)
Marrital Status	Married

Languages

Marathi, Hindi, English

References:

Prof. Dharmendra Singh	Professor and HOD, Department of CSE , IIT Roorkee, Roorkee Email: dharmfec@ec.iitr.ac.in
Dr. Sunil Kirloskar	HOD, Department of CIVIL, VCE, Vasai

Place: Navi Mumbai

Date:

M. K. Bivalkar