

Faculty Profile



Prof.Rajesh B. Khotre

Department:

Electronics and Computer Science

Institute:

Vasantdada Patil Pratishthan's College of Engineering & Visual Arts

Location :

Sion – Mumbai

Email Address :

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Introduction:

Prof. Rajesh B. Khotre is working as an Associate Professor in the department of Electronics and Computer Science, having 24 years of teaching experience. Research specialization is in Digital System Design.

Education:

- M.E. in Digital Electronics from SGBAU, Amravati.
- B.E. in Electronics from SGBAU, Amravati.

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Professional Experience:

1. Associate Professor in Vasantdada Patil Pratishthan's College of Engineering & Visual Arts, Sion, Mumbai, since 06/02/2003 to till date.

Courses / Subjects Teaching:

Digital System Design

Microprocessors

Optical Fiber Communication

Antennas and Wave Propagation

Digital Logic & Computer Architecture

Principles of Communication Engineering

Research Specialization:

Digital System Design

STTP/ FDP:

- ISTE approved Workshop on "Next Generation Networks" at PVPPCOE Mumbai.
- Workshop on "Electromagnetic waves and applications "at VJTI Mumbai under TEQIP cell.
- ISTE approved One Week STTP on "Wireless Communication and Networking" at KJSIET Mumbai.
- ISTE approved One Week STTP on "Neural Network and Fuzzy System" at KJSIET Mumbai.
- ISTE approved One Week STTP on "Matlab Tour of Engineering Applications" at PVPPCOE Mumbai.
- ISTE & IETE approved One Week STTP on "PIC Controller & Arm Processors" at PVPPCOE Mumbai.
- ISTE & AICTE approved One week Refresher Training Programme on "Teaching Methodologies, Soft skills & Research Methodology" at PVPPCOE Mumbai.
- ISTE approved Two Weeks STTP on "Open source software tools for engineering curriculum & NS-2" at PVPPCOE Mumbai.
- ISTE approved Workshop on Digital Signal and Image Processing using MatLab at PVPPCOE Mumbai.

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- ISTE & AICTE approved One week FDP on Research Methodology, Research Proposal Writing and Hands on training on Latex at PVPPCOE Mumbai.
- ISTE & AICTE approved One week Induction/Refresher Programme on “Next Generation Networks” at PVPPCOE Mumbai.
- ISTE approved One week STTP on “Big Data and Hadoop” at PVPPCOE Mumbai.
- ISTE & AICTE approved One week Induction/Refresher Programme on “Internet of Things” at PVPPCOE Mumbai.
- IETE approved Workshop with Hands on Training on “Basic and Recent Trends in Electronics Based Laboratories at PVPPCOE Mumbai.
- AICTE & ISTE approved One week STTP on “Applications of Mathematics in Engineering” at PVPPCOE Mumbai.
- One week online National Level FDP on “PHP and MySQL” with hands on exposure organized in association with Spoken Tutorial IIT Bombay at PVPPCOE Mumbai.
- IETE approved One week STTP on “Python Programming for Data Science” at PVPPCOE, Mumbai.
- ISTE approved Two week STTP on “AIML & Data Science in Health Care” at Atharva College of Engineering, Mumbai.

Research Publications in Conferences:

- "Histogram Modification Of Colour Images" in International Conference on Engineering Research And Application at Godavari College Of Engg, Jalgaon.
- "Intensity & Saturation Processing of Colour Images” in National Conference on Electronics, Communication and Information Security at Pravara Rural Engineering College Loni
- "Histogram Modification of Colour Images" in International Conference on New Development and challenges in Engineering Technology and Management at YTIET, Karjat.
- “Histogram Modification of Colour Images” in National Conference on Speech, Image & Video Processing at SSGMCE Shegaon,.
- “Compact Bi-Coni-Log Hybrid Antenna Design for RFI Detection at GMRT, TIFR in International Conference on Emerging Trends in Electrical, Communication and Information Technologies at Srinivasa Ramanujan Institute of Technology, Anantapur, A.P.

Research Publications in Journals:

- "Histogram Modification of Colour Images" in International Journal of Engineering Research & Applications (IJERA), special volume, VNCET'12, ISSN:2248-9622, sr.no.-30, pp.164-167.

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- "Intensity & Saturation Processing of Colour Images " in International Journal of computer applications (IJCA), ISBN 973-93-80869-78-4.
- "Intensity & Saturation Processing of Colour Images using Spatial Domain Techniques " in International Journal of Advances in Doctoral Reasearch,Volume-01, Nov-2012, ISSN:2320-1347 pp.12-15.
- "Compact Bi-Coni-Log Hybrid Antenna Design for RFI Detection at GMRT, TIFR" in Elsevier International Journal, December 2012.
- Accident avoidance using autonomous emergency breaking system and drowsiness detection in International Journal of Advances Reasearch, Ideas and Innovations in Technology Volume No.04, March-April 2018, ISSN:2454-132X.
- Note to Coin Converter using Digital Image Correlation Technique in Image Processing in International Research Journal of Engineering & Technology, Volume No.05, March 2018,ISSN:2395-0072.
- Preventing Selective Jamming Attacks by Packets Hiding Method using NS-2 in International Journal of Engineering Research in Computer Science and Engineering, ISSN:2394-2320.
- Data Rate Analysis of LTE System for 2*2 MIMO Fading Channel in International Conference on Innovation and Reasearch on Technology and Engineering in association with Think India Journal,ISSN:0971-1260.
- Rail Coach Automation with Bidirectional Visitor Counter in International Conference on Innovation and Reasearch on Technology and Engineering in association with Think India Journal, ISSN:0971-1260.
- Custom Object Detection Based on Regional CNN & YOLOr3 with DTI Tello Programmable Drone in International Conference on Innovation and Reasearch in Technology and Engineering at PVPPCOE,Mumbai in association with Elsevier SSRN Journal.
- Obstacle Detection using Lidar 360° for Military use in International Journal of Advanced Research in Science, Communication and Technology, ISSN:2581-9429.

Professional Body Membership:

- IETE
- ISTE

Book Chapters:

Patent Publication:
