

Name:

Prof. N. D. Kuchekar

**Designation:**

Designation: Assistant Professor

Contact Details:

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Phone Number with extension: 020 24228258 / 65 / 79

Educational Qualifications:

ME (Electronics-Digital System), University of Pune (SPPU), Pune

BE (Electronics & Telecommunication), University of Pune (SPPU), Pune

Experience:

14 Year

Research Interests:

- Wireless Communication
- Nanotechnology
- Power Electronics
- Embedded system
- IOT

Number of Publications:

International Journal: 06

International Conference: 02

National Conference: 02

Recognition/ Awards:

- Achieved the **First prize & Excellent paper presentation award** with paper title, "GSM Based Advanced Water Deployment System for Irrigation using a Wireless Sensor Network & Android Mobile", in 29th IRF International

Conference on Recent Advances in Electronics & Communication Engineering (ICRAECE 2015), organized by International Research & Journal.

- Achieved the **First prize & Best paper presentation award** with paper title, “Review of Zigbee based Automatic Control & Monitoring of Water Deployment System for Irrigation using a WSN & Android mobile”, in National Conference on Signal Processing, Computer Modeling & Mechatronics (NCSPCM2-2K16), organized by KJ College of Engineering & Management Research, Pune, Maharashtra, India.

Number of FDPs / STTPs organized: 01

Number of Workshops organized: 5

Number of Conferences / Seminars organized: 1

Number of FDPs / STTPs attended: 20

Number of Workshops attended: 5

Number of Conferences / Seminars attended: 5

Number of Online Certification Courses done: 3

Number of Webinar attended: 30

Number of times served as a Resource Person: 1

Details of Research papers published:

- Presented a project with title, “Advanced Water Deployment System for Irrigation using WSN & GSM Module” in IEEE-Project competition 2015, PICT College, pune, Maharashtra, India.
- Presented a paper with title, “GSM Based Advanced Water Deployment System for Irrigation using a Wireless Sensor Network & Android Mobile”, in 29th IRF International Conference on Recent Advances in Electronics & Communication Engineering (ICRAECE 2015), Pune, Maharashtra, India.
- Presented a project with title, “Advanced Water Deployment System for Irrigation using WSN & GSM Module”, in e-PG-Project exhibition 2015, pune, Maharashtra, India.

- Presented a paper with title, “Design & Implementation of Automatic Irrigation System using WSN & Zigbee module”, in International Conference on Innovations & Technological Developments in Computer, Electronics and Mechanical Engineering (ICITDCEME) 2015.
- Presented a paper with title, “Real Time Implementation of GSM based Advanced Water Saving System for Irrigation using a WSN & Android mobile”, in National Conference on Signal Processing, Computer Modeling & Mechatronics (NCSPCM2-2K16).
- Presented a paper with title, “Review of Zigbee based Automatic Control & Monitoring of Water Deployment System for Irrigation using a WSN & Android mobile”, in National Conference on Signal Processing, Computer Modeling & Mechatronics (NCSPCM2-2K16).
- Paper published with title, “A Review of GSM based Automated Water Deployment System for Irrigation using Wireless Sensor Network & Android mobile”, in International Journal of Scientific and Engineering Research (IJSER) - (ISSN 2229-5518), Volume 6, Issue 6, June 2015 Edition.
- Paper published with title, “Android based Water Deployment System for Irrigation using Wireless Sensor Network & GSM module”, in International Journal of Science and Research (IJSR)- (ISSN: 2319-7064), Volume 4, Issue 7, July 2015 Edition.
- Paper published with title, “Microcontroller Based Advanced Water Deployment System for Irrigation using WSN & GSM Module”, in International Journal of Emerging Trends in Engineering & Development (IJETED)- (ISSN NO.:2249-6149), Volume 4, Issue 5, June-July 2015 Edition.
- Paper published with title, “GSM Based Advanced Water Deployment System for Irrigation using a Wireless Sensor Network & Android Mobile”, in International Journal of Electrical, Electronics and Data Communication (ISSN NO.: 2320-2084) (IJEEDC), Volume-3, Issue-8, Aug-Sept 2015 Edition.
- Paper published with title, “Design & Implementation of Automatic Irrigation System using WSN & Zigbee module”, in International Journal of Innovations in Engineering, Research and Technology (ISSN NO.: 2394-3696) (IJIERT) December 2015.

- Paper published with title, “Advanced Water Deployment System for Irrigation using WSN & GSM Module”, in International Engineering Research Journal (IERJ), Volume 1, Issue 5, June 2015 Edition.

1) Details of Training attained:

- A One-week Industrial Training Program from 26th October 2016 to 30th October 2016 organized by All India Radio, Pune.

- A One-week Faculty Development Training Program on PLC & SCADA from 18th December 2017 to 22nd December 2017 organized by Electronics & Telecommunication Dept. of Cusrow Wadia Institute of Technology, Pune.
- A Three-day Industrial Training Program from 17th July 2018 to 19th July 2018 organized by Dahanu Thermal Power Station, Dahanu.
- A Three-day Industrial Training Program from 17th Dec 2018 to 19th Dec 2018 on Satellite Telecommunication organized by Institute of Satellite Telecommunication Pvt. Ltd., Kharadi, Pune.
- A Half Day Faculty Guidance Seminar on “Project Based Learning” on 24th Jan 2020 to 24th Jan 2020 organized by The Department of First Year Engineering, AISSMS College of Engineering, Pune.

Details of FDPs / STTPs attended in last 5 years:

- A one-day online Faculty Development Program on “Revised Syllabus 2019 course- Sem II for the subject Internship” on 27th Jan 2022 organized by Department of Information technology, Amrutvahini College of Engineering, Sangamner.
- A one-week online Faculty Development Program on “Interactive Teaching Learning Strategies with Affective & Cognitive Approach (ITLS)” from 21st June 2021 to 25th June 2021 organized by Department of Electronics and Telecommunication Engineering at PVG’s COET & GKPIIM, Pune.
- A one week online Industry Associated Faculty Development Program on “Advanced Communication using IoT & WSN” from 9th Feb 2021 to 13th Feb 2021 organized by D.Y. Patil College of Engineering, Akurdi Pune.
- A one-week online Faculty Development Program on “Smart Technology Pillars of 5G and Beyond” from 27th Jan 2021 to 31st Jan 2021 organized by Department of E&TC, Sinhgad Institute of Technology & Science, Narhe, Pune.
- A Five Days Online National Level Faculty Development Program on “Research & Application Perceptive of Artificial Intelligence” from 21st Dec 2020 to 25th Dec

2020 organized by Department of Electronics and Telecommunication Engineering, VIIT, Pune.

- A one-week online AICTE Sponsored Short Term Training Program on “Cybersecurity and Blockchain Technology” from 11th Jan 2021 to 16th Jan 2021 organized by Department of Information Technology, Sanjivani College of Engineering, Kopargaon, Maharashtra.
- A one-week online AICTE Sponsored Short Term Training Program on “Blockchain Technologies and Use cases Thread III” from 21st Dec 2020 to 25th Dec 2020 organized by Department of Computer Engineering, Vishwakarma Institute of Information Technology, Pune.
- A one-week online AICTE Sponsored Short Term Training Program on “Blockchain Technologies and Use cases Thread II” from 14th Dec 2020 to 19th Dec 2020 organized by Department of Computer Engineering, Vishwakarma Institute of Information Technology, Pune.
- A one-week online AICTE Sponsored Short Term Training Program on “Computer Networking & Network Security” from 21st Sept 2020 to 26th Sept 2020 organized by Department of Electronics Engineering, Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune.

Major Portfolios Handled: (college level and department level)

- Internship Coordinator
- Audit Course Coordinator

Role in University Bodies....

- External & Internal Examiner
- Paper Assessment

Any other information which is not covered in above points:

- Worked as an Academic coordinator.

- Worked as a Coordinator for National Skill Development Council to promote skill development.
- Worked as an Officer in charge in MSBTE Theory Examination.
- Worked as an External & Internal Vigilance Officer in MSBTE Theory Examination.
- Worked as a Controller in MSBTE Theory Examination.
- Worked as a Controller in MSCIT Examination.
- Worked as a Sealing Supervisor in MSBTE Theory Examination.
- Worked as Chief Officer In charge in MSBTE Theory Examination.
- Worked as an Internal Senior Supervisor in YCMOU Examination.