

## BIO-DATA

1. **Name:** Dr. Kailas Shankarrao Holkar
2. **Designation:** Asso. Prof. in Instrumentation Engg.  
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4. **D. O. B:** 12<sup>th</sup> June 1967

5. **Educational Qualification:**

| Sr. No. | Degree Awarded | University/ Board | Year of passing | Subject                      |
|---------|----------------|-------------------|-----------------|------------------------------|
| 1.      | D. I. E. E     | BTE, Mumbai       | 1988            | Industrial Electronics Engg. |
| 2.      | B. E           | Pune              | 1991            | Instrumentation Engg.        |
| 3.      | M. E           | S.R.T.M.U, Nanded | 1997            | Instrumentation Engg.        |
| 4.      | Ph. D          | S.R.T.M.U, Nanded | 2015            | Instrumentation.             |

**6. Employment Record** (Starting from present position)

| Sr. No. | Designation  | Institution/Organisation    | Period     |            |
|---------|--------------|-----------------------------|------------|------------|
|         |              |                             | From       | To         |
| 1.      | Asso. Prof   | K. K. W. I. E. E & Research | 01-10-2008 | Till Date  |
| 2.      | Asstt. Prof  | K. K. W. I. E. E & Research | 01-01-2003 | 30-09-2008 |
| 3.      | Sr. Lecturer | K. K. W. I. E. E & Research | 01-01-2000 | 31-12-2002 |
| 4.      | Lecturer     | K. K. W. I. E. E & Research | 01-06-1992 | 31-07-2000 |

**7. Subject taught:**

1. Process Instrumentation
2. Control System
3. Electronic Measurement and Instrumentation
4. Mechanical Processes and Systems
5. Mechanical Measurement and Control
6. Biomedical Instrumentation
7. Basic Electronic Engineering
8. PLC and process automation

**8. Other related Experience:**

1. Member of B.O.S (Instrumentation Engg.), North Maharashtra University, Jalgaon from May 2001 to Dec. 2003
2. Member of B.O.S (Instrumentation Engg.), Pune University.
3. Subjects taught at M. E. (Instrumentation and Control Engg.),
  - 1) Transducer design
  - 2) Advanced Electronic Instrumentation
  - 3) Process Instrumentation

4) Latex

4. Examiner for P.G Exams.
5. Paper setter for North Maharashtra University, Jalgaon.
6. Paper setter for Savitribai Phule Pune University, Pune.
7. Paper setter and Examiner for Y. C. Maharashtra Open University, Nashik

**9. Membership of Scientific and Professional Societies:**

1. Life member of ISTE: LM 12623
2. Ex. Senior member of ISA
3. Associate member of IE: AM086529-2

**10. Conferences, Workshops, Seminars, Short-term courses etc. organised/ participated:**

1. Training programme on ‘Advanced process control techniques’, by ISTE and GSFC, Baroda (Oct. 7-12, 1996).
2. 7<sup>TH</sup> National seminar on ‘Physics and technology of Sensors’, by Dept. of Electronic science, University of Pune (Feb. 14-15, 2000).
3. ISTE Convention held at Nashik (Dec. 2000).
4. NSS state level conference, Mohol, Dist. Solapur (Aug. 3-4, 2003).
5. One day workshop on ‘Planning for development in Instrumentation and Control engineering education’ by Dept. of Instru. Engg., VIT Pune (Aug. 26, 2005)
6. Training programme on, ‘Communicative English’, by ISTE chapter KKWIEER and The English personality finishing school, pune (Aug. 19-21, 2006)
7. International Conference on ‘Sensors, Signal processing, Communication, Control and Instrumentation’, VIT Pune, (Jan. 3-5, 2008).
8. Conducted NSS winter school programme for ten days.
9. ISTE-AICTE STTP on ‘Application based Numerical methods to chemical engineering using MATLAB’, BAMU, Lonere (Mar. 9-14, 2009)

10. 'High Impact Teaching Skills' Attested by Dale Carnegie and Associates, Inc. Trainer and Wipro (May 18-19, 2009)
11. Mission 10X programme organized by Wipro at NDMVP COE (May 18-22, 2009)
12. Faculty development programme on 'Effective Teaching through Curriculum Innovation', organized by K.K.W.I.E.E.R in association with IUCEE and AMUEC (June 8-9, 2009)
13. A course on 'Teaching with MATLAB and Simulink' (Indo-US Engg. Faculty Leadership Institute, June, 22-26, 2009) at Infosys Mysore centre.
14. Co-ordinator for Two days workshop on 'Introduction and Applications of MATLAB in Engineering' at KKWIEER (Feb.10-11, 2010).
15. Syllabus setting workshop at U.G level.
16. Workshop on 'ECG analysis and interpretation', organized by S.G.G.S Institute of Engg. & Tech., Nanded (Feb., 17<sup>th</sup> 2010)
17. Workshop on 'Scilab and its applications to Global Optimization and Fractional Differential Equations', Jointly organized by IIT Bombay and SGGS IE&T at Nanded (April 23-25, 2010)
18. STTP on 'Analytical Techniques for Applied Research' by SGGSEI&T under TEQIP (Jan. 21-25, 2013)

**11. Other activity:**

1. Participated in NSS blood donation camp.
2. Participated in NSS Tree plantation programme.
3. Coordinator for NIMA INDEX 2012, Nashik (24<sup>th</sup> -27<sup>th</sup> Feb. 2012)
4. Worked as Coordinator for FE ARC2014, FE ARC2015.

**12. Publications:**

1. K. S. Holkar, L. M. Waghmare: Discrete Model Predictive Control for DC Drive Using Orthonormal Basis Function, *Proceeding of 8<sup>th</sup> UKACC International conference on*

*control* (2010), pp. 435-440.

2. K.S.Holkar, L.M.Waghmare: An Overview of Model Predictive Control, *International Journal of Control and Automation*, Vol. 3 (4), pp. 47-64, 2010.
  3. Holkar, K. and Waghmare, L.: A review on techniques with generalized predictive control, *Int. J. Automation and Control*, Vol. 5 (4), pp. 299-336, 2011.
  4. K.S.Holkar: Predictive control approach for non-minimum phase and time delay system, *National Conference on Computing, Communication and Networking Technologies, NCCNT13*, pp. 213-218, Mar. 2013.
  5. K.S.Holkar: Modified Generalized Predictive control for Improved Performance of DC Drive, *National Conference on Instrumentation, Control and Signal Processing, ICSP 2013*, pp. 41-46, July 2013.
  6. V.R.Lele, K.S.Holkar, "Removal of Baseline Wander from ECG Signal", *International Conference on Recent Trends in engineering & Technology- 2013 (ICRTET'2013)*, ISBN No.: 978-81-926080-0-6/22-24 Feb 2013, pp. 1224-1229.
  7. K.S.Holkar, L.M.Waghmare: Sliding mode control with Predictive PID sliding surface for improved performance, *International Journal of Computer Applications*, Vol. 78 (4), pp. 1-5, Sep. 2013.
  8. K.S.Holkar, L.M.Waghmare, G.V.Lakhekar "Predictive sliding mode based cascade control structure for parametric uncertainty", *International Journal of Dynamics and control systems*, (Springer), Volume 3, Issue 4, pp. 437-447, December 2015.
- 13. Subject of Interest:** Process Instrumentation and Control, Advanced measurement and Control, Bio-medical Instrumentation, Feedback control system, Computer process control, Model predictive control.

**Dr. K. S. Holkar**

Asso. Prof. (Instru.)

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