

## ***Keshav Nandurkar***

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**1. Current Position:** Director  
K. K. Wagh Institute of Engineering Education & Research  
Amrutdham, Panchavati, Nashik 422003, India

**2. Personal details:**

**a. Residence:** Principal Quarters  
K. K. Wagh Institute of Engineering Education & Research  
Amrutdham, Panchavati, Nashik 422003, India  
Email: [keshav1965@gmail.com](mailto:keshav1965@gmail.com)

**b. Permanent Address:** Gurukripa, Dattanagar  
Opp. Dattamandir, Nashik Road 422101, India  
**Mobile:** 9881699072

**c. Date of birth:** August 11, 1965

**d. Marital status:** Married (Wife : Archana Daughter: Bhoopali)

**e. Nationality:** Indian

**g. Personal website:** [www.knnandurkar.com](http://www.knnandurkar.com)

**3. Education & Qualifications:**

**a. Ph.D. (Mechanical):** Indian Institute of Technology Bombay (2002)  
Thesis: **Some studies on Virtual Cell Manufacturing Systems**

**b. M.E (Production):** V. J. Technical Institute, Mumbai (1993)  
Dissertation: **Forecasting and Aggregate Planning of Art Material Products**

**c. B.E (Production) :** Walchand Institute of Technology, Solapur, India  
(Passed with First Class Distinction in 1987)

**d. Registered Lead Auditor:** Quality Management International (October 1999)

**4. Experience:**

**a. Academic experience:**

At K. K. Wagh Institute of Engineering Education & Research, Nashik

**Principal** 03-09-2004 onwards

**Professor** 01-03-2004 onwards

**Head of Department** 16-08-2000 to 10-05-2008

**Assistant Professor** 01-08-1996 to 29-02-2004

**Lecturer** 18-01-1988 to 31-07-1996

**Other responsibilities:**

Member of Board of KKWES as Staff representative (2006-2011)

Trustee, K.K. Wagh Education Society, Nashik (2011 onwards)

### **Additional Responsibilities handled earlier**

- Training & Placement Officer,
- NSS Coordinator of the institute
- I/c Head of Chemical Engineering Department
- I/c Head of Mechanical Engineering Department
- I/c Principal, K.K. Wagh College of Fine Arts, Nashik
- Secretary, K. K. Wagh Cooperative Consumer Society, Nashik

### **b. Industry experience:**

**Trainee Engineer** Kirloskar Oil Engines Ltd. (Bearing Division) Ahmednagar  
11-09-1987 to 15-01-1988

**Trainee** Camlin Ltd. (Art Material Division), Mumbai, India  
27-06-1991 to 08-08-1991

**Trainee** Crompton Greaves Ltd. (Switch gear Unit), Nashik, India  
01-06-1986 to 10-07-1986

### **5. Research/ Teaching interests:**

- a. Topics of interest**
- Production /Operations Management
  - Industrial Engineering
  - Quality Management

- b. Courses taught**
- Industrial Engineering and management
  - Work study, Ergonomics and Safety
- UG level**
- Production Planning and Control
  - Jigs, Fixtures & Press Tools
  - Production Management
  - Operations Research
  - Industrial Management
  - Technology of Production Systems
  - Materials and Finance Management
  - Financial management

- PG level**
- Financial Management and Cost Control
  - CAD/ CAM/ FMS
  - CAD/CAM/CIM
  - CIM and Advanced Manufacturing
  - Manufacturing Management
  - Research Methodology

- c. Research studies carried out**
- Some studies on Virtual cell manufacturing systems
  - Productivity improvement in industries
  - Computer applications in manufacturing industries
  - IoT applications in industries
  - Applications of Japanese techniques in manufacturing

## 6. Awards and recognition:

- Best teacher award given by the institute
- Savitribai Phule Pune University (Formerly University of Pune)
  - Elected as Member Board of Studies (Production & Industrial Engineering) (2000-2005),
  - **Chairman, Board of Studies** (Production & Industrial Engineering) (2005-2010).
  - Re-elected as member BOS (Production & Industrial Engineering) (2010-2015)
  - Nominated as Coordinator BOS (Production & Industrial Engineering) 2015-2017
  - Re-elected as **Chairman BOS** (Production & Industrial Engineering) (2017-2022)
  - Re-elected as member BOS (Production & Industrial Engineering) (2022-2027)
  - Nominated as Coordinator BOS (Production & Industrial Engineering) 2022-2027
  - Appointed as VC nominee for selection committee, Chairman LIC Committee and Chairman, AAA committee for various institutes under SP Pune University
- Elected as member of BOS and Faculty of Engineering, Sant Gadge Baba Amravati University, Amravati, India for second term
- Students of final year Production Engineering presented technical papers under my guidance and won **first prize** at four national level contests
- Approved as **Post Graduate Teacher** by S.P Pune University and Shivaji University
- Recognized as **PhD guide** by University of Pune, Sant Gadge Baba Amravati University and Swami Ramanand Tirth Marathwada University, Nanded
- Received **certificate of merit** in recognition of research paper presented at ISME 2003
- Was elected as **Joint Secretary** IE (I), Nashik Local Center for two consecutive terms.
- Received **LIFETIME ACHIEVEMENT** award (2006) from National and International Compendium, New Delhi for outstanding achievements in the chosen field.
- Selected to be included in 25<sup>th</sup> edition of biographical directory published by **Marquis Who's Who, USA** published in 2008 for contribution in the field of engineering education.
- Awarded **Jeevan Gaurav Puraskar** (2009) for work done in the field of education from Deshastha Rigvedi Sanstha, Nashik
- Received **Award Certificate** for leadership shown in follow-up activities after attending the 2008 Indo US Engineering Faculty Leadership Institute at Infosys Mysore Center
- Awarded "**Shikshak Gaurav Pursar**" by Sarvajanic Vachanalaya, Nashik on occasion of Teachers Day 2011 in Nashik

- Approved as expert member of NBA committee for accreditation of institutes
- Received **Certificate of Appreciation** from Management of the Institute for achieving 100% result in various theory subjects under University of Pune
- Included in the DPE databank of people who can be considered for appointment as non-official Directors on Boards of CPSEs.
- Received “**Engineering Achievement**” award from The Institutions of Engineers (India) Nashik Local Center on occasion of the 47<sup>th</sup> Engineers Day- 2014
- Received award of **Excellence in Institutional Leadership** during 15<sup>th</sup> State Annual Students ISTE Convention 2018 Maharashtra-Goa Section on 18<sup>th</sup> January 2018, Nashik in recognition of outstanding administrative skills
- Received **Best Principal of the year** award from CSI Mumbai Chapter during CSI-Technext 2018 conference held at IIT Bombay during February 10-11, 2018
- Received **Lokmat Prerana award 2020** for the exemplary work done in the field of Higher Education in January 2020 by Lokmat Group, Nashik
- Received **Most Dynamic Principal** award during Golden AIM Conference & awards for Excellence & Leadership in Education & E-learning organized on 11th September 2020
- Invited to join as **Co-convenor**, CII Maharashtra State Panel on Industry- Academia Connect by CII Maharashtra State Council for year 2021-22, 2022-23, 2023-24, 2024-25 and 2025-26
- Received **Certificate of Appreciation** for contribution in Higher Education Sector by ArdorComm media Group in Pune on 6<sup>th</sup> May 2022
- Received **Best Principal (Professional courses)** from Urban area under the University Foundation Day Award for AY 2022-23 on 10<sup>th</sup> February 2023
- Received **Certificate of Appreciation** for contribution in the field of Academics and Research by Indian Society for Training & Development (ISTD), Nashik Chapter on 17<sup>th</sup> February 2023

## 7. Academic contribution

- Ex. Member of Academic council of Savitribai Phule Pune University, Pune
- Ex. Member of Governing body of Sanjivani College of Engineering, Kopergaon, India
- Ex. Member of College Development committee of Amrutvahini College of Engineering, Sangamner, India
- Member of academic advisory committee of Shri. Guru Gobind Singh Polytechnic Nashik, India
- Member of Academic Council of Prof. Ram Meghe Institute Technology and Research, Badnera (from AY 2023-24)

- Nominated as University representative on the Governing body of SNJB college of Engineering, Chandwad (Autonomous college from 2024-25)

## 8. Research and student projects

- UG Seminars guided: 80
- UG projects guided: 48
- ME Projects guided: 08
- PhD research supervised

Sr. No.	Name of candidate	Title of thesis	Status
1	Damale A. V.	Computer simulation & analysis of critical defects in manual metal arc welding.	Degree awarded By SPPU (2014)
2	Wakchaure V. D	Performance Enhancement of Industries through Analysis of Integrated Manufacturing Practices	Degree awarded by SPPU (2015)
3	Chandratre K. V	Optimization of Plant layout under dynamic condition using Real Coded Genetic algorithm.	Degree awarded by SPPU Pune
4	Gurule N.B	Some Studies on Effect of Powder Mixed Dielectric on Machining Performance of Electric Discharge Machining (EDM) Process for Precision and Stability.	Degree awarded by SPPU Pune (2017)
5	Relkar A. S	To improve overall Equipment Effectiveness (OEE) in Engineering Industries through Decision Support System (DSS).	Degree awarded by SPPU Pune (2017)
6	Paraskar S.S	Modeling & Analysis of demand pattern variation for footwear in case of School going Children: An anthropometric approach	Degree awarded by SGB Amravati University (2023)
7	Makwana S. C	Selection of appropriate footwear in e-commerce scenario for fit & comfort: An ergonomic approach	Degree awarded by SGB Amravati University (2023)
8	Bankar V. R	Internet of Things (IoT) based application of World Class manufacturing in Indian Automotive Sector	In Progress
9	Kulkarni V.V	Evaluation and Experimental Analysis for Optimum Parameters of Underwater Rotary Friction Joining for Metals SS-304 and SS-316.	In progress
10	M.R. Pardeshi	Optimization of Fused Deposition Method (FDM) by using Design for Six Sigma (DFSS)	In progress
11	A.D. Mandlik	An investigation into mechanical behavior of Ultrasonic Friction stir welding of dissimilar Aluminum alloys	In progress

e. **Research projects handled as co-investigator (Sponsored by Savitribai Phule Pune University)**

Sr. No.	Title of project	Principal Investigator	Amount Rs.
1	To develop an online monitoring and controlling system using neural network for turning operation (2009- 2011)	P.S. Kalos	3,00,000
2	Development of Powder Mixed Dielectric Machining (PMEDM) for nano-metric surface finish of hard-to-machine metals. (2012-2014)	N.B.Gurule	3,00,000

f. **Patent granted**

- Registration of Design-Seed and fertilizer spraying drone (Design No. 403496-001) date of issue 09/02/2024 by patent office, Government of India

- Patent Certificate –Chemical synthesis of MOO.56VI.4405 for super capacitor application (Patent No.520478, date of grant 06/03/2024)

- Patent Certificate- Design and Development of E-Jacket for women’s safety: Rakshika (Patent No. 544039, date of grant 02/08/2022)

8. **Professional Association**

- Member of **Indian Institution of Production Engineers** (since 1992). Also elected as Secretary of IPE Nashik Section established in February 2003.
- Life Member of **Indian Society for Technical Education** (since 1993). Currently Chairman of ISTE KKWIEER, Nashik Chapter
- Life Member of **Indian Institution of Industrial Engineering** (since 1995)
- Fellow Member of **The Institute of Engineers** (India) since 2006 (Elected as managing committee member and Jt. Secretary for Nashik Local Center, 2003-2011)
- Member of **Operations Research Society of India** since 2003
- Nominee member of **Computer Society of India (CSI)** since 2008
- Registered Member (Lifetime) of **Centre for Education Growth and Research (CEGR)**, New Delhi since 2018
- Member of **The Institution of Engineering & Technology** (IET) since 2022
- Life Member of **Indian Society for Training & Development** (ISTD) since July 2022
- Lifetime Membership of **The Robotics Society** of India (RSI) since May 2022
- Member of International Association of Engineers (IAENG) since January 2023

## 9. Expertise in IT

- **Basic Training in Ingres**, conducted by Mastek Ltd. Mumbai during Oct. 7-12, 1996
- **Oracle Training course** organized by IIT Bombay from 28<sup>th</sup> March to 1<sup>st</sup> April, 1997
- **Training on Promodel Simulation Software** organized by I.I.T Bombay during September 1997
- **Training in Visual Basic and SQL Server** organized by I.I.T Bombay during April 1999.
- **Training on SSAD and MS ACCESS** during the “e\_mosif” course conducted by IIT Bombay, June 2001
- **Training in WITNESS Simulation software** organized by K.K.Wagh Institute of Engineering Education & Research, Nashik during December 10-12, 2007.

## 10. Participation in professional events:

### a. Conferences attended in India

- 18<sup>th</sup> All India Manufacturing Technology, Design and Research Conference (**AIMTDR**), IIT, Kharagpur, India (Dec. 1998)
- International Conference on Operations management for Global Economy (**POMS-99**), I.I.T Delhi, India (Dec.1999)
- 13<sup>th</sup> National conference of Indian Society of Mechanical Engineers (**ISME 2003**) organized by IIT Roorkee during December 2003.
- National Conference on Advances in Manufacturing Technology in the era of Globalization (**AMTEG**) organized by PIET, Pune during January 2005.
- First Conference of University teachers “**Innovation 2007**” organized by University of Pune during November 19-20, 2007.
- International Conference on Advances in Mechanical Engineering (ICAME 2009) held at SVNIT Surat during August 3-5, 2009, as **Session Chair**
- Twenty sixth National Convention of Mechanical Engineers organized by IE(I) Maharashtra and Sandip Institute of Technology Nashik during 18-19 Sept. 2010 as **Session Chair**
- International Telecommunication Union **ITU-T Kaleidoscope** Academic Conference (Beyond the Internet?), Pune, India during 13-15, December 2010

- Global Indian Scientist and Technocrats (**GIST**) convention at Garware College, Pune during 26<sup>th</sup> and 27<sup>th</sup> December 2010
- International Conference on Industrial Engineering (ICIE 2011) held at SVNIT Surat during November 17-19, 2011, as **Session Chair**
- Educators Conference-Cum-Meditation Retreat on “**Values & spirituality for empowerment of Life**” organized and hosted by Education Wing, Rajyoga Education & Research Foundation and Bramha Kumaris, World HQ, Mount Abu from 31<sup>st</sup> August to 4<sup>th</sup> September 2012
- 4<sup>th</sup> International and 25<sup>th</sup> All India Manufacturing Technology, Design and Research Conference (**AIMTDR 2012**) organized by JadHAVpur University, Kolkata, India during December 14-16, 2012
- **Convener** of the International Conference on **Manufacturing Excellence** (ICMAX 2013) organised by JJTU, Jhunjhunu, Rajasthan during January 28-20, 2013
- 3<sup>rd</sup> International Conference on **Transformation in Engineering Education** organized by Indo-US Collaboration for Engineering Education (IUCEE) at College of Engineering, Pune, January 10-12, 2016
- 6<sup>th</sup> International and 27<sup>th</sup> All India Manufacturing Technology, Design and Research Conference (**AIMTDR 2016**) organized by College of Engineering, Pune, India during December 16-18, 2016 as **Session Chair**
- **Convener** of the International Conference on Manufacturing Excellence (ICMAX 2017) organized by K.K.Wagh Institute of Engineering Education & Research, Nashik, India during March 3-4, 2017
- **Convener** of the International Conference on Manufacturing Excellence (ICMAX 2019) organized by K.K.Wagh Institute of Engineering Education & Research, Nashik, India during February 15-16, 2019
- **Convener** of the National Conference on Exploring new dimensions in Teaching-Learning for quality education organized by K.K.Wagh Institute of Engineering Education & Research, Nashik, India during June 8-9, 2019
- **Convener** of the International Conference on Manufacturing Excellence (ICMAX 2021) organized by K.K.Wagh Institute of Engineering Education & Research, Nashik, India during February 15-16, 2021
- 10<sup>th</sup> International Conference on **Transformation in Engineering Education** (ICTIEE 2024) organized by Indo-Universal Collaboration for Engineering Education (IUCEE) at KLE Tech University, Hubli during January 2-4, 2024
- Convener of the International Conference “Engineering Innovations for sustainable future” at K. K. Wagh Institute of Engineering Education and Research, Nashik during 6<sup>th</sup> and 7<sup>th</sup> January 2025

- 13<sup>th</sup> International Conference on **Transformation in Engineering Education** (ICTIEE 2026) organized by Indo-Universal Collaboration for Engineering Education (IUCEE) at GITAM University, Bangaluru during January 8-10, 2026

**b. International Conferences attended abroad**

- 15<sup>th</sup> International Conference on Production Research (**ICPR**), University of Limerick, Ireland (August 1999)
- Second International Conference on Manufacturing (**ICM 2002**), Dhaka, Bangladesh, (August 2002)
- Third international conference on **GTCM 2006** held during July2-5, 2006 at University of Groningen, The Netherlands

**c. International visits/ seminars/ workshops attended**

- Visited six reputed universities in the USA during Nov.9-22, 2008. This visit was organized for the Principals and Institute heads in India under the Indo-US collaboration for Engineering Education (IUCEE).
- Attended the Global Engineering Deans Council (**GEDC**) Conference at Peking University, Beijing, China during October 20-22, 2011
- Attended International Interactive workshop on “Effective Academia Leadership strategies- a global perspective” at SEGi University, Kota Damansara, Malaysia during December 12<sup>th</sup> to 14<sup>th</sup>, 2013.
- Visited five renowned Universities and attended alumni meetings in USA at Washington DC and San Jose during May 13-25, May 2016
- Visited two renowned Universities and attended alumni meetings in USA at University of Houston, Texas on May 18, 2019
- Visited five renowned Universities in Dubai and attended alumni meeting in Dubai at Hotel Taj Jumeirah on March 18, 2023
- Visited University of Zielona Gora, Poland and attended alumni meeting in Germany at Berlin, Munich and Frankfurt during October 2<sup>nd</sup> to 8<sup>th</sup>, 2024
- Visited University of Texas at Austin and attended Alumni Meet at Dallas, USA during May 10-18, 2025

**d. National Seminars/ Workshop attended**

- **ISO 9000/ IS 14000**, seminar organized by K.J. Somaiya College of Engineering, Mumbai during Feb. 8-10, 1993

- **ISO 9000-Revisions**, workshop organized by Nashik Industries and Manufacturers Association (NIMA) on 10<sup>th</sup> Jan. 1994 at Nashik, India
- **ISO 9000 Quality Management System**, seminar held at K. K. Wagh College of Engineering on 12<sup>th</sup> March 1994.
- **Advance Manufacturing Technology**, organized by I.I.T Bombay during Dec. 9-21, 1996
- **BPR and Computerization in Manufacturing**, conducted by Aspire Systems Mumbai at I.I.T Bombay on April 22, 1997
- **A roadmap for the management of change in manufacturing operations: the computer simulation approach**, conducted by Aspire Systems at I.I.T Bombay during Sept. 16-17, 1997
- **Sharpening the competitive edge of Indian industry**, one-day seminar conducted by Ms. Pranati Kapadia of Lucent Technologies, USA at I.I.T Bombay on August 21, 1998.
- **Kaizen: Methodology and Implementation successes**, one day seminar conducted by Mr. Masaaki Imai (Chairman, Kaizen Institute, Japan) on September 20, 1999 at Mumbai.
- **ISO 9000 in Technical Educational System** organized by PVG's College of Engineering & Technology, Pune on 6<sup>th</sup> July 2001
- **Production Engineering Course**, one day workshop organized by VIT, Pune for the revision of Production Engineering syllabus on 7<sup>th</sup> January 2003.
- **ISO 9001-2000: Internal Auditor Training Course** conducted by V.P Productivity & Quality Services, Nashik during March 2004
- **Kinesthetic for the mentors**, one day faculty development program organized by MGV's Institute of Management & Research, Nashik on 19<sup>th</sup> July 2004
- One day workshop on implementation of TE (Production) revised syllabus for subject "**Database and IT for Production Engineering**" and Sinhadgad College of Engineering, Pune, India on 30<sup>th</sup> Dec 2005
- **Future Challenges for Managers**, one day workshop organized by CII Nashik on 5<sup>th</sup> May 2006 at Hotel Greenview, Nashik, India
- One day training on **Intellectual Property Management Practices** organized by CII and TIDP-IPR team at Hotel Hyatt Regency, Mumbai on 18<sup>th</sup> November 2006.
- Interactive session on **Excellence in Technical education: Issues and Challenges** organized by Education Promotion Society of India (EPSI) at Hotel Sun-n-Sand, Pune on 3<sup>rd</sup> December 2006

- One day workshop on **syllabus revision** of Production and Industrial Engineering organized by Vishvakarma Institute of Technology, Pune on 7<sup>th</sup> September 2007
- Professional Development program on **Application of QMS and TQM for excellence in Technical Education**, organized by Engineering Staff College of India, Hyderabad during 3-5 December 2007
- One day workshop on **Micro and Nano manufacturing** organized by College of Engineering Pune on 4<sup>th</sup> February 2008.
- One week programme on **Curriculum innovation and Quality Assurance** organized by Indo US collaboration for Engineering Education at Global Education Center, Infosys Technologies, Mysore during June 2-6, 2008
- One day workshop on “**Academic Autonomy to Engineering Institutions**” organized by VIT Pune on 17<sup>th</sup> Feb. 2009
- One day workshop on “**Water Management for effective farming**” organized by CII Nashik on 10<sup>th</sup> June 2009 at Splendour Hall Nashik
- Three days programme on **Effective teaching; Cooperative Learning; Effective Faculty development, Outcomes based Education** organized by Indo US collaboration for Engineering Education at Global Education Center, Infosys Technologies, Mysore during June 29 to July 1, 2009
- Two days workshop on “**NBA Orientation**” organized by the Association of Managements of Unaided Engineering Colleges (Maharashtra) at PVGs College of Engineering, Pune during July 30-31, 2011
- Attended First **World Summit on Accreditation** (WOSA 2012) organized by National Board of Accreditation (NBA) at Hotel Ashoka, New Delhi, India during March 25-28, 2012
- Two days seminar on “**Maharashtra Meta University and New Education**” organized by Maharashtra Knowledge Corporation Ltd. Pune during August 3-4, 2012
- One day orientation workshop on **Outcome based Accreditation process & parameters for evaluators/ stakeholders** organized by NBA at MIT Pune on 26<sup>th</sup> October 2012
- One day workshop on **Innovation & IPR** organized by KKWIEER Nashik in association with Vidurneeti Intellectual Capital Engineers, Mumbai on 29<sup>th</sup> October 2012
- One day workshop on “**Manufacturing Innovation**” organized by CII North Maharashtra Section on 27<sup>th</sup> August 2014 at NEC, Nashik

- One day **Leadership Conclave** for Change Leaders in Engineering Education organized by at Mithibai Seminar Hall, Vile Parle, Mumbai on 16<sup>th</sup> December 2014
- Two days conference on “**Smart Cities: The way India thinks**”, organized by Vignan Bharati at Welingkar Institute of Management, Mumbai during 6-7, June 2015
- One day workshop on “**Graduation Ceremony**” organized by KTHM College, Nashik in Association with S.P. Pune University on 9<sup>th</sup> January 2016
- One day workshop on “**National Board of Accreditation (NBA)** at GNVS Institute of Management, Mumbai on 11<sup>th</sup> June 2016
- Half day seminar on “**Skilling tomorrow’s Engineers** with Advanced Product Development capabilities”, organized by Rays Infotech in association with Siemens PLM software and Design Tech Systems Ltd., at R.H.Sapat College of Engineering and Management, Nashik on 3<sup>rd</sup> August 2016
- One day workshop on **Industry-Academia Conclave** organized by CII Pune at Hotel Four Point Shereton on 17<sup>th</sup> December 2016
- One day workshop on “**Business Simulation**” conducted by Prof.AshokUlal of German Simulation at Hotel Express Inn Nashik on 24<sup>th</sup> January 2017
- One day workshop on **New University Act 2016** organized by S.P Pune University in Chandraskher Hall of IUCAA, Pune on 12<sup>th</sup> April 2017
- Attended 2<sup>nd</sup> edition of Principal’s conclave organized by CII Western Region on “**Building institutions of Excellence**” at We School campus, Matunga, Mumbai on 20<sup>th</sup> November 2017
- As panel member for one day **MANUFACTURING INNOVATION CONCLAVE** (“Achieving Sustained Competitive Advantage Through Innovation”) organized by CII Nashik on 24 November 2017 at KBT College of Engineering, Nashik
- Attended the AICTE-CII national education summit in AICTE Head Quarters, New Delhi on 4-5<sup>th</sup> October 2018
- Invited as **panel speaker** during Conclave on "**Future of Higher Education in India with special reference to Employability**” organized by CII WR Council at Vidyalankar College, Mumbai on 24<sup>th</sup> September 2022.
- Invited as **panel speaker** during 3<sup>rd</sup> Edition CII Western Region Global Education Conclave on “**Driving Research and Innovation in Indian Education**” held during 24 – 25 November 2022 at Pune

- Attended one day workshop on “**NEP 2020: Anand Karyashala**” at KBT College of Engineering, Nashik on 2<sup>nd</sup> March 2024 organised by Department of Higher & Technical Education, Government of Maharashtra
- Attended one day Western Zone Conference for autonomous colleges on “**Implementation of NEP 2020**” at IIM Nagpur on 23<sup>rd</sup> October 2024
- Invited as **panel speaker** during 5<sup>th</sup> Global Conclave on “**Impact and challenges of AI on Higher Education**” organized by CII WR Education Task Force at Hotel Taj Lands End, Bandra, Mumbai on 25<sup>th</sup> October 2024
- Invited as **speaker** during CII Industry-Academia Colloquium on “**Building bridges: Strengthening Industry-Academia synergy**” organized by CII MSC Industry-Academia panel at CSMMS College of Engineering, Chh. Sambhajinagar, on 31<sup>st</sup> January 2025
- Invited as **panel speaker** during CII 6th Global Education Conclave on Skills First Education: Redesigning learning for future readiness” organized by CII WR Education Task Force at the Taj Mahal Palace, Mumbai on 7th October 2025
- Attended coordination meeting of Principals and Educational Trusts for effective **implementation of NEP 2020** by Bhartiya Shikshan Mandal at YCMOU Nashik on 2<sup>nd</sup> January 2026
- Invited as **panel speaker** during Thirteenth International Conference on Transformations in Engineering Education (ICTIEE- 2026) organized by GITAM University, Bangalore, India during 8<sup>th</sup> to 10<sup>th</sup> January 2026

**e. ISTE courses attended/ coordinated**

- **Strategic Planning and Institutional Development** held during June 28-30, 1994, at M.I.T, Pune
- **Induction Training for Teachers**, Sambhajinagar, on, 1995, at K. K. Wagh College of Engineering, Nashik
- **Strategic Planning and Institutional Development**, Coordinated during Jan. 20-22, 1996, at K. K. Wagh College of Engineering, Nashik
- **Advances in Manufacturing Systems and Industrial Automation**, Coordinator of the STTP sponsored by ISTE/AICTE conducted during June 2003.

- **38<sup>th</sup> ISTE Annual National Convention** at Kalinga Institute of Industrial Technology, Bhubaneswar during December 19-21, 2008.

**f. Other courses organized/ coordinated**

- **Technology of Production Systems**, one day workshop organized for implementation of revised syllabus for B.E (Production) course under University of Pune in January 2001 at K. K. Wagh College of Engineering, Nashik
- **Problem solving with Design of Experiments (DOE)**, one day workshop organized for industry personnel with Symphony Technologies Ltd., Pune on 17<sup>th</sup> August 2004 at Hotel Emerald Park, Nashik
- **Composite Materials**, one day workshop organized for engineering college teachers and working professionals with sponsorship from University of Pune on 28<sup>th</sup> February 2005 at K. K. Wagh College of Engineering, Nashik
- Twentieth convention of Production Engineers on “**Man machine interaction with special emphasis on Automobile and ancillary manufacturing**”, organized by IE(I), Nashik local center during Oct 1-2, 2005 at Hotel Emerald Park, Nashik.
- **Supply Chain Management**, one day seminar organized for teachers and working professionals on 17<sup>th</sup> March 2006 at K.K. Wagh Institute of Engineering Education & Research, Nashik
- Two days’ workshop for **Detailing of Revised Syllabus** for B.E (Production) course under University of Pune during March 7-8, 2006 at K. K. Wagh Institute of Engineering Education & Research, Nashik
- One day workshop for **Detailing of Revised Syllabus** for M.E (Production) course under University of Pune on November 2, 2007 at K. K. Wagh Institute of Engineering Education & Research, Nashik
- One day seminar on **Simulation techniques in manufacturing and Service Industry** sponsored by University of Pune on January 12, 2008 at K. K. Wagh Institute of Engineering Education & Research, Nashik
- **Workmen training program** for the workers of Mahindra & Mahindra Ltd. Igatpuri plant during January – July 2008 at the factory
- Two days faculty development program on **Effective teaching through curriculum innovation** for staff members of Engineering colleges at K. K. Wagh Institute of Engineering Education & Research, Nashik during June 8-9, 2009
- Convener of two days Maharashtra Vijnana Sammelan on “**Shaswat Urja**” held at Bhonsala Military College Campus, Nashik during February 25-26, 2012

- Convener of two days seminar on “**Simulation modeling in Manufacturing & service industry**” organized by K. K. Wagh Institute of Engineering Education & Research, Nashik during March 1-2, 2013
- Convener of one day **syllabus revision workshop** for TE (Production) 2015 course organized by K. K. Wagh Institute of Engineering Education & Research, Nashik on 10<sup>th</sup> October 2016
- Subject expert for Faculty Orientation Workshop on: **Revised Syllabus Framing (2024)** pattern for SE (Robotics and Automation Engineering / Production Engineering / Production Engineering - Sandwich) Organized by the Department of Robotics and Automation Engineering, AISSMS COE, Pune on 29<sup>th</sup> May 2025
- Member of Organizing Committee of **Global Emerging Technology Summit 2026** organized by ISTD Nashik Chapter at K. K. Wagh Institute of Engineering Education & Research, Nashik during January 17-18, 2026

## 11. Publications:

### a. Book Chapter published

- Contributed a chapter on **Simulation** in the Research Methodology book published by CEGR, New Delhi, October 2018 (ISBN: 978-81-935740-2-7)
- Contributed a chapter titled **Improving the performance of machining processes using Opposition based learning civilized swarm optimization** by P.J. Pawar and K. N. Nandurkar in the book “Nature-inspired optimization in Advanced Manufacturing processes and Systems, by CRC Press (Taylor and Francis Group) ISBN 9780367532604, 2020
- Bire, S.P., Pawar, P.J., **Nandurkar, K.N. (2026)**. Automatic Selection of Controller Mode for Self-balancing Robot. In: Rao, R.V., Taler, J., Taler, D. (eds) Advanced Engineering Optimization Through Intelligent Techniques. AEOTIT 2024. Lecture Notes in Electrical Engineering, vol 1438. Springer, Singapore.  
[https://doi.org/10.1007/978-981-96-8070-2\\_15](https://doi.org/10.1007/978-981-96-8070-2_15)

### b. International/National journals:

1. Subash Babu, A., **Nandurkar K. N** and Austin Thomas “Development of Virtual Cellular Manufacturing System for SME's” published in Special issue of Journal of Logistics Information Management, Vol. 13, No. 4, 2000, pp. 228-242
2. Pramod. K Shahabadkar, **K.N.Nandurkar** and P.K. Shahabadkar, “Changing the nature of college teaching through cooperative learning-A case study”, The journal of Engineering Education, Vol. XVIII, No.4, April 2005, pp. 56-63

3. Pramod. K Shahabadkar, **K.N.Nandurkar** and P.K. Shahabadkar, "Cooperative learning experiment for Master Student Skills-A case study", Indian journal of Technical Education, Vol. 29, No.3, July-September 2006, pp. 71-76
4. Pramod. K Shahabadkar, **K. N. Nandurkar** and P.K. Shahabadkar, "Computer aided teaching of Industrial Management subject- A case study", The Journal of Engineering Education, Vol. No. XX, No.1, July 2006, pp. 31-37
5. V.D.Wakchaure, **K.N.Nandurkar** and S.P.Kallurkar, "A survey of JIT, SCM, TQM, TPM and ERP in manufacturing firms in India", International e-journal of Logistics and Supply Chain Management, Vol.2, No.1, Dec. 2008
6. **K. N. Nandurkar** and Sushma Kulkarni, "Dramatic results for IUCEE in private colleges of state of Maharashtra in the Western Region of India", The Journal of Engineering Education, Vol. XXIII, No.3, January 2010, pp.45-49
7. P.S.Kalos, **K.N.Nandurkar**, B.B.Ahuja and L.G.Navale, "Analysis of geometrical tolerances in straight turning using Response Surface Method and Monte Carlo Simulation", International Journal of Manufacturing Technology and Industrial Engineering (IJMTIE), 1(1), June 2010, pp.45-55
8. V.D. Wakchaure, **K.N. Nandurkar** and S.P. Kallurkar, "Enhancing manufacturing excellence through integrated manufacturing programme" Int. J. Integrated Supply Management, Vol. 5, No. 4, 2010, pp.376-400
9. K.V.Chandratre and **K.N.Nandurkar**, " A review: Dynamic plant layout optimisation", International Journal of Emerging Technologies and applications in engineering, technology and Sciences (IJ-ETA-ETS), Vol.4, Issue 1, Jan'11-June'11, pp.43-47
- 10.K.V. Chandratre and **K.N.Nandurkar**, " Applying Genetic algorithm to Dynamic plant layout problem", International Journal of Applied Operational Research, Vol.1, Issue 3, Winter 2011, pp.1-9
- 11.Bhauasaheb Kharde, Gahininath J.Vikhe Patil and **Keshav Nandurkar**, "Simplification of Economic Production Quantity model by equivalent holding cost", International Journal of Industrial Engineering Research and Development, Volume 3, Issue 1, January-June (2012), pp.21-29
- 12.Bhauasaheb Kharde, Gahininath J.Vikhe Patil and **Keshav Nandurkar**, "EOQ model for planned shortages by using equivalent holding and shortage cost", International Journal of Industrial Engineering Research and Development, Volume 3, Issue 1, January-June (2012), pp.43-57
- 13.Aarti More and **Keshav Nandurkar**, "Social networking sites-Effective medium to reach the youth for marketing the products", Journal of Management Development & Research, Vol.II, Issue I, June 2012, pp. 49-57.
- 14.A.V. Damale and **K. N. Nandurkar**, "Application of value stream mapping in an Indian Automotive industry: A case study", Industrial Engineering Journal, Volume V, Issue No.7, July 2012, pp.11-16.

15. Gurule N.B and **Nandurkar K.N.**, "Effect of tool rotation on material removal rate during powder mixed Electric Discharge Machining of Die Steel", International Journal of Emerging Technology and Advanced Engineering, Volume 2, Issue 8, August 2012, pp.328-332
16. A.V. Damale and **K.N.Nandurkar**, "Thermo-mechanical Finite Element analysis and experimental validation of weld induced angular distortion in MMAW butt welded plates", International Journal of Engineering Research & Technology (IJERT), Vol. 1, Issue 6, August 2012, pp. 1-7
17. P.G.Kochure and **K.N.Nandurkar**, "Mathematical modelling for selection of process parameters in induction hardening of EN8D steel", IOSR Journal of Mechanical and Civil Engineering (IOSRJMCE) Vol.1, Issue 2 (July-August 2012), pp.28-32
18. P.G.Kochure and **K.N.Nandurkar**, "Regression model fitting for process parameters in induction hardening of EN8D steel", Journal of Mechatronics, Vol.1, No.1,2012, pp.1-5
19. P.G.Kochure and **K.N.Nandurkar**, "Taguchi methods and ANOVA: An approach for selection of process parameters in induction hardening of EN8D steel", International Journal of Advance Research in Science, Engineering and Technology, Vol.1, Issue 2, pp.22-27
20. S.P.Kerhalkar and **K.N.Nandurkar**, "Development of VSM implementation procedure for prefabrication shop through case study approach", International Journal of Advanced Research in Science, Engineering and Technology, (June 2012), Vol. 1, Issue 2, pp.28-35
21. K.V. Chandratre and **K.N. Nandurkar**, "Optimization of Dynamic Plant Layout: A Review", Journal of Research, SWAYAMPRAKASH, Volume 4, (July 2012), pp. 33-40.
22. A.V. Damale and **K.N. Nandurkar**, "3 D coupled FE analysis and experimental validation of weld restrained welding to control angular distortion", Journal of The Institution of Engineers (India): Series C (October-December 2012), Vol.93, No.4, pp. 365-371
23. A.V. Damale and **K.N.Nandurkar**, "Modelling of angular distortion in MMAW butt welds using regression model", International Journal of Scientific Computing, Vol.6, Number 2 (July-December 2012), pp. 199-206.
24. K.V.Chandratre and **K.N. Nandurkar**, "Application of ACO to dynamic plant layout", Industrial Engineering journal Vol. VI, Issue No.8 (September 2013), pp. 39-42
25. Adinath Damale and **Keshav Nandurkar**, "Numerical simulation of side heating for controlling angular distortion in multipass MMAW butt welded plated, Sadhana, April 2015, Vol. 40, Issue 2, pp. 487-502

26. K.V. Chandratre, P.J. Pawar and **K.N. Nandurkar**. "Dynamic Machine Layout for Press Tool Operations Using Real Coded Genetic Algorithm." International Journal of Metaheuristics, Vol.5, No.6, 2016, pp. 91-114.
27. **K.N.Nandurkar** and P.J.Pawar, " Manufacturing excellence for Sustainability: Indian scenario" published in Annual Technical Volume of Production Engineering Division Board of IE (I), Volume2, 2017, pp. 27-34
28. Anuradha B. Bhalerao, Ravindra N. Bulakhe, Prashant R. Deshmukh, Jae-Jin Shim, **Keshav N. Nandurkar**, Bhiwa G. Wagh, S. V. Prabhakar Vattikuti and Chandrakant D. Lokhande, "Chemically synthesized 3D nano-structured polypyrrole electrode for high performance supercapacitor applications", Journal of Materials Science: Materials in Electronics, April 2018
29. Vishnu R. Bankar and **Keshav N. Nandurkar**, "Building an overall improvements focused vendor based on TPM", Technical Journal of The Institution of Engineers (India) Pune Local Centre, Vol. 42, Nov. 2018, pp.180-191
30. S. B. Sangale, **K.N.Nandurkar** and P.J.Pawar, " Incorporating E-Assessment tools in teaching for effective and authentic assessment", Journal of Engineering Education Transformations, Vol. 33, Special Issue, ICTIEE 2020, January 2020, pp.:130-136
31. Ajinkya S. Joshi, **Keshav N. Nandurkar** and Padmakar J. Pawar, " A novel approach for improving quality of learning environment in technical institutions" Journal of Engineering Education Transformations, Vol. 34, No. 1, July 2020, pp.:93-108
32. Sangle Santosh, Joshi Ajinkya, Pawar Padmakar , **Nandurkar Keshav**, " Improving Student Learning Performance during On-line Lectures" Journal of Engineering Education Transformations, Volume 34, January 2021, Special issue, pp. 236-242
33. Ajinkya S. Joshi, Pramod K. Shahabadkar, **Keshav N. Nandurkar** and Dyaneshwari S. Jawale, "Factors influencing the aspirations of First Year Engineering Students: A statistical study", Journal of Engineering Education Transformations, Vol. 34, No. 1, July 2020, pp.:93-108
34. Vishnu R. Bankar and **Keshav N. Nandurkar**, "Productivity improvement in an automotive industry using Best in Class (BIC) techniques, Industrial Engineering Journal, Vol. XVI & Issue No. 09, September 2023, pp.180-191
35. Ajinkya S. Joshi, Pramod K. Shahabadkar, Vilas Patil, **Keshav N. Nandurkar**, Ansari AWMH, and Arun Shinde, "An approach for improving admissions: A case study of and Unaided Undergraduate Engineering Institute", Journal of Engineering Education Transformations, Vol. 37, January 2024, special issue, eISSN 2394-1707, pp.:588-594

### c. Papers presented at National/ International Conferences

1. **Nandurkar K.N** and Dasgupta, B., "Role of Institute Industry interaction for Career Development of Engineers", presented at State level Symposium on Human Resource Management by Zero Mismatch, organized by W.I.T. Solapur, during August 26-27, 1995
2. **Nandurkar K. N** and Subash Babu, A., "Design and Development of adaptable cellular manufacturing systems" Proceedings of the 18th AIMTDR Conference, I.I.T Kharagpur, India, Dec.1998 pp.538-544
3. **Nandurkar K. N**, Austin Thomas and Subash Babu, A., "Bi-pronged approach for cluster analysis (BIACA): A cell formation algorithm" Proceedings of the 15th ICPR Conference, Ireland, Aug.1999, pp. 1275-1278
4. **Nandurkar K. N**, Saleeshya, P.G, N. Rangaraj and Subash Babu, A. "GT in Indian engineering industries: an investigative study" Proceedings of the 15th ICPR Conference, Ireland, Aug. 1999, pp.1279-1284
5. **Nandurkar K. N**, Rajagopal, S and Subash Babu, A., "Development and application of new algorithm called ALTROC for CMS" Proceedings of the International Conference on Operations management for Global Economy (POMS-99), I.I.T Delhi, India, Dec.1999
6. **Nandurkar K. N** and Subash Babu, A. "Flexible approach to designing and operating Cellular Manufacturing Systems" Proceedings of the FIAM 2000 Conference, Vol.II, Aug. 2000, pp.
7. P. K. Shahabadkar and **Nandurkar K.N.**, "Enterprise application integration for supply chain management" Proceedings of the 1<sup>st</sup> International Conference on Logistics and Supply Chain Management (ILSCM-2001), PSG College of Technology, Coimbatore, India, August 2001, pp.87-92
8. **Nandurkar K.N.** and Subash Babu, A., "A new algorithm for cell formation" Proceedings of Symposium on Manufacturing Excellence (SYMAX), I.I.T Madras, India, January 2002, pp.179-180
9. Relkar, A. S., **Nandurkar, K. N.** and Barve, V.D, "Education in 21<sup>st</sup> Century", presented at workshop organized by National Technical Manpower Information Center at Nagpur, India, January 2002.
10. **K. N. Nandurkar** and T.D. Nehete, "Aggregate Production Planning: A goal programming approach", Proceedings of the International conference on Manufacturing (ICM 2002), Dhaka, Bangladesh, August 2002, Vol.2, pp.422-431
11. P.K. Shahabadkar, **K. N. Nandurkar** and P. Shahabadkar, "Supply chain management and its integration", Proceedings of the International conference on Manufacturing (ICM 2002), Dhaka, Bangladesh, August 2002, Vol. 2, pp.249-258

12. **K. N. Nandurkar**, A.S. Relkar and V.K. Khare, "Total Productive Maintenance (TPM): A tool for productivity improvement", presented at the 20<sup>th</sup> AIMTDR Conference, BITS, Ranchi, Dec. 2002
13. **K.N. Nandurkar**, A.S. Relkar and Kisor Ray, "Application of Work Measurement Techniques for Productivity Improvement" accepted for presentation at the 7<sup>th</sup> DSI International Conference, Shanghai, China, July 2003.
14. S.A.Patil and **K.N. Nandurkar**, "Process planning for shape deposition in Manufacturing" presented at National Conference at Adhiyamaan Engineering College, Hosur, TN during September 2003
15. P.S. Bodke and **K.N. Nandurkar**, "Conservation of digital resources" presented at National Convention on library and Information Networking (NACLIN 2003) held at Jadavpur University, Kolkata during October 2003.
16. S.A.Patil, P.B. Kushare and **K.N. Nandurkar**, "Robot assisted shape deposition manufacturing", presented at Conference on advances and recent trends in Manufacturing (CARTM-2003), Kalyani Government Engineering College, Kalyani, WB, Nov., 2003
17. **K.N. Nandurkar**, "Coding and classification of cell formation problems in CMS" presented at ISME 2003 conference organized by IIT Roorkee during December 2003. (Awarded certificate of merit for best paper of the session)
18. S.A.Patil, **K.N. Nandurkar** and P. B. Kushare, "Lean manufacturing- Go by lean", Proceedings of National seminar RAME 2004, K.K.Wagh College of Engineering, Nashik, Jan. 2004, pp. MT-85- MT-90.
19. P.S. Saji, P. K. Shahabadkar and **K.N. Nandurkar**, "Development of computerized inventory management system for small-scale industries" National conference on Advances in Manufacturing Technology in the era of globalization (AMTEG 2005), PIET, Pune, Jan. 2005.
20. S.A. Patil, P.S.Kalos and **K.N. Nandurkar**, "New methods to produce quality automotive body parts", Proceedings of 20<sup>th</sup> National convention of Production Engineers, Nashik, October 1-2, 2005, pp.8-18.
21. **K.N. Nandurkar** and P.V. Jatti, "Improving performance of SCM through effective man-machine interaction", Proceedings of 20<sup>th</sup> National convention of Production Engineers, Nashik, October 1-2, 2005, pp.72-80.
22. Pawar P.J, Gangurde S.R and **K.N. Nandurkar**, "An algorithm for optimization of cutting stock problem with irregular shapes" presented at International Conference on Operations Research Applications in Infrastructure Development in conjunction with Annual Convention of ORSI, December 27-29, 2005
23. **K.N. Nandurkar** and A. Subash Babu, "Effect of operating policies in a virtual cell manufacturing system", Proceedings of third international conference on GTCM

2006 held during July2-5, 2006 at University of Groningen, The Netherlands, pp: 277-286.

24. Gurule N. B., Shahabadkar P. K. and **Nandurkar K. N.**, “Experimental Investigations on EDM Using Taguchi Technique for Optimization of Process Parameters”, presented at First International & 22<sup>nd</sup> All India Manufacturing Technology Design & Research Conference (AIMTDR), 21<sup>st</sup> -23<sup>rd</sup> December 2006, IIT Roorkee
25. N.B.Gurule, **K.N. Nandurkar** and M. Sdaiah, “Nano machining techniques for finishing of Hard-to-Machine materials” presented at the National Conference on Recent Developments and Futuristic trends in Mechanical Engineering held at Shriram College of Engineering & Management, Gwalior during April 28-29, 2007.
26. P.S.Kalos, **K.N. Nandurkar** and L.G. Navale, “Control of Roundness on Turned Cylindrical Bars using Artificial Neural Network” presented at the IEEM 2007 conference held at Singapore in December 2007
27. Relkar, A. S. and **Nandurkar, K. N.**, “Six sigma: A methodology for business excellence” presented at National level conference organized by D.Y.Patil College of Engineering, Pune during Dec. 2007.
28. **K.N. Nandurkar** and A. Subash Babu, “Robustness of cell performance in CMS- A Simulation study” Proceedings of the third world conference of Production & Operations Management, held in August 2008 at Tokyo, Japan.
29. V.S.Kalmani, P.S.Kalos and **K.N. Nandurkar**, “Green manufacturing and roundness error in En8 alloy steel turned bars”, Proceedings of National Conference on Green Technology organized by Government Polytechnic, Nashik, Nov. 2008, pp.520-528
30. Gurule N.B and **Nandurkar K.N.**, “Current developments in Powder Mixed Electrical Discharge Machining (PMEDM) process for precision, productivity and stability: A review” Proceedings of the International Conference on ‘Advances in Mechanical Engineering’ organized by SVNIT Surat during December 15-17, 2008, pp. 748-753.
31. A.V. Damle, **K.N. Nandurkar**, J.H. Mistry and D.P. Khadse, “Implementation of value stream mapping process: A case study” Proceedings of the International Conference on ‘Advances in Mechanical Engineering’ organized by SVNIT Surat during December 15-17, 2008, pp. 853-857.
32. Wakchaure V. D., **Dr. Nandurkar K. N.** and Dr. Kallurkar S. P, “Comparative Study of National Quality Awards”, National Conference on World Class Manufacturing, Amrutvahini College of Engineering, Sangamner, India during 26-27 Feb. 2009.
33. P.S. Kalos, **K.N. Nandurkar**, B.B. Ahuja and L.G. Navale, “Analysis of Roundness in straight turning using Response Surface Method” proceedings of International Conference on Advances in Mechanical Engineering (ICAME 2009) held at SVNIT Surat during August 3-5, 2009, pp. 949-953

34. Wakchaure V. D., **Dr. Nandurkar K. N.** and Dr. Kallurkar S. P, "Rationales for synergistic implementation of JIT, TQM, TPM, SCM and ERP", 8<sup>th</sup> Triennial Conference of Association of Asia Pacific Operational Research Societies, 6-9 Dec, 2009, Jaipur India.
35. Wakchaure V. D., Anil Kumar Yadav, **Dr. Nandurkar K. N.** and Dr. Kallurkar S. P, "Revitalizing the Indian Manufacturing Inc. for enhancing Global Competitiveness through Integrated Manufacturing Program", Proceedings of 24<sup>th</sup> Indian Engineering Congress, 10-13 December 2009, NITK, Suratkal.
36. Vishnu Wakchaure, **Keshav Nandurkar** and Shrikant Kallurkar, "Exploring the complimentary application of JIT, TQM, TPM, SCM and ERP paradigms for improving manufacturing system performance", Proceedings of the International Conference on Advances in Industrial Engineering Applications (ICAIEA 2010) organized by Department of Industrial Engineering, Anna University Chennai, India during January 6-8, 2010, pp.56
37. **Keshav Nandurkar** and Ashwini Kulkarni, "Innovative teaching methods for teaching of programming languages", presented at International Conference on Reforms in Technical education (ICORTE 2010), Hyderabad, India, August 27-28, 2010.
38. Gurule N. B. and **Nandurkar K. N.**, "Development of Powder Mixed Electric Discharge Machining (PMEDM) System for hard-to-machine metals" Innovation-2010 conference for Pune University College Teachers organized by PDVVP College of Engineering, Ahmednagar, India during Oct. 27-28, 2010
39. **K.N. Nandurkar** and P.S.Kalos, "Comparison of Artificial Neural Network algorithms for Roundness Prediction on Turned Cylindrical Bars", presented at National Conference on Intelligent System, organized by B.N. Bandodkar College of Science, Thane during November 26-27, 2010.
40. Vishnu Wakchaure, **Keshav Nandurkar** and Shrikant Kallurkar, "Exploring the synergistic relationship of JIT, TQM, TPM, SCM and ERP: A survey", Proceedings of the 3<sup>rd</sup> International and 24<sup>th</sup> AIMTDR Conference 2010 organized by Andhra University College of Engineering, Visakhapatnam, Andhra Pradesh, India during December 13-15, 2010, pp.689-694
41. Vishnu Wakchaure, **Keshav Nandurkar** and Shrikant Kallurkar, "Simulation based comparison of the effect of JIT, TQM, TPM and SCM paradigms on manufacturing system performance" presented at XIV Annual International Conference of the Society of Operations Management, SOM 2010 organized by NITIE Mumbai, India during December 17-19, 2010
42. Vishnu Wakchaure, **Keshav Nandurkar** and Shrikant Kallurkar, "Development and Validation of Integrated Manufacturing Practices Model", Tenth International Conference on Operations and Quantitative Management (ICOQM-11), organized by INFOMS at SIOM, Nashik, June 28-30, 2011

43. **K.N. Nandurkar**, B.B. Ahuja, L.G. Navale and P.S. Kalos, "Analysis of Roundness error on En8 steel using ANOVA" proceedings of National Conference on Recent Developments in Mechanical Engineering held at MES College of Engineering, Pune during July 4-5, 2011, pp. 949-953 (received best paper award)
44. V.D. Wakchaure, **K.N. Nandurkar** and S.P. Kallurkar, "Relationship between implementation of TQM, JIT, TPM and SCM and manufacturing performance" presented at International Conference on Industrial Engineering (ICIE-2011) organized by SVNIT Surat, India during November 17-19, 2011
45. K.V. Chandratre and **K.N. Nandurkar**, "Solving Dynamic plant layout problem with genetic algorithm", presented at International Conference on Industrial Engineering (ICIE-2011) organized by SVNIT Surat, India during November 17-19, 2011
46. Gurule N.B and **K.N. Nandurkar**, "Experimental investigation of Powder Mixed Electric Discharge Machining for Die steel machinability with rotary tool", presented at International Conference on precision, Meso, Micro and Nano Engineering at College of Engineering, Pune, India during December 10-11, 2011.
47. Kharde B.R, Vikhe Patil G. and **Nandurkar K.**, "Simplification of ELS inventory model for planned shortages by using equivalent holding cost", Proceedings of International Conference on Advances in Supply Chain and Manufacturing Management (ICASCMM) organized by IIT Kharagpur during December 16-18, 2011
48. Kharde B.R, Vikhe Patil G. and **Nandurkar K.**, "EOQ model for planned shortages using equivalent holding cost", Proceedings of Ninth AIMS International Conference on Management (ICAIMS) organized by FLAME, Pune during January 1-4, 2012
49. A.S. Relkar and **Dr. K.N. Nandurkar** "Optimizing and Analysing Overall Equipment Effectiveness (OEE) through Design of Experiments (DOE)", presented at International Conference on Modeling, Optimization & Computing (ICMOC) at NICHE Nagarcoil, Tamil-Nadu, India, during April 10-11, 2012.
50. A.S. Relkar and **K.N. Nandurkar** "Optimizing Overall Equipment Effectiveness through Simulation Analysis" presented at 2<sup>nd</sup> Annual International Conference on Operations Research and Statistics (ORS-12) organized by Global Science & Technology Forum (GSTF) at Bali, Indonesia during May 7-8, 2012.
51. Pramod.K.Shahabadkar, Ashwini Kulkarni and **K.N. Nandurkar**, "Soft skills training through cooperative learning-A case study", Poster Presentation at International Symposium on Best Practices in Teaching & Learning, organized by Al Musanna College of Technology, Sultanate of Oman on 7<sup>th</sup> May 2012
52. K.V. Chandratre and **K.N. Nandurkar** "Optimization of Dynamic Plant Layout under Dynamic conditions using hybrid algorithm" Presented at the Pre-Convention Research Consortium on 29<sup>th</sup> October 2012 at Bangalore
53. Gurule N. B. and **Nandurkar K. N.**, "Realizing potential of Powder Mixed Electric Discharge Machining with rotary tool for Die steel" Proceedings of the 4<sup>th</sup>

International and 25<sup>th</sup> All India Manufacturing Technology, Design and Research Conference (AIMTDR 2012) organized by Jadavpur University, Kolkata, India during December 14-16, 2012, pp. 473-479.

54. Wakchaure V.D, **Nandurkar K.N.** and Kallurkar S.P, “Effect of joint implementation of JIT, TQM, TPM and SCM and manufacturing performance: A simulation study” Proceedings of the 4<sup>th</sup> International and 25<sup>th</sup> All India Manufacturing Technology, Design and Research Conference (AIMTDR 2012) organized by Jadavpur University, Kolkata, India during December 14-16, 2012, pp. 1272-1278.
55. A.V. Damale and **K.N.Nandurkar**, “Modelling of angular distortion in MMAW butt welds using regression model”, Presented at International Conference on “Innovative technologies in Engineering & Sciences” (ITES-2012) at V.V.P Engineering College, Rajkot, India during 22-23, December 2012
56. A.V. Damale and **K.N.Nandurkar**, “Effect analysis of clamping pressure on angular distortion of butt welds”, Presented at International Conference on “Emerging trends in Mechanical Engineering” (ICETME-2013) at G.H. Patel College of Engineering & Technology, VallabhVidyanagar, India during 4-5<sup>th</sup> January 2013.
57. K.V.Chandratre and **K.N. Nandurkar**, “Application of ACO to dynamic plant layout”, Proceedings of the International Conference on Manufacturing Excellence (ICMAX 2013) organised by JJTU, Jhunjhunu, Rajasthan, India during January 28-20, 2013, pp. 20-25
58. **K.N.Nandurkar** and A.S.Kamble, “Application of curriculum innovation for Production Management subject”, presented at the International Conference on Transformations in Engineering Education (ICTIEE- 2014) organized by BVB College of Engineering & Technology, Hubli during 16<sup>th</sup> to 18<sup>th</sup> January 2014
59. P.K.Shahabadkar, **K.N.Nandurkar** and P.S.Vispute, “Soft skill training through Cooperative learning: A case study”, presented at the International Conference on Transformations in Engineering Education (ICTIEE- 2014) organized by BVB College of Engineering & Technology, Hubli during 16<sup>th</sup> to 18<sup>th</sup> January 2014
60. V.D. Wakchaure, **Dr. K.N. Nandurkar**, and Dr. S.P. Kallurkar, ‘Relationship between Implementation of TQM, JIT, TPM and SCM and Manufacturing Performance: Empirical Evidence from Indian Context’, ASME 2014 Manufacturing Science and Engineering Conference (MSEC2014), June 9-13, 2014, Detroit, Michigan, USA
61. **K. N. Nandurkar**, V. D. Wakchaure, S. P. Kallurkar ‘The simulation-based comparison of joint implementation of JIT, TQM, TPM and SCM paradigms’, 42nd North American Manufacturing Research Conference, June 9-13, 2014, Detroit, Michigan, USA
62. V. D. Wakchaure, **K. N. Nandurkar**, S. P. Kallurkar and Gadalla M. A., ‘A conceptual framework for effective implementation of integrated manufacturing practices’, ASME 2015 Manufacturing Science and Engineering Conference (MSEC2015), June 8-12, 2015, Charlotte, North Carolina, USA.

63. K.V. Chandratre, P.J. Pawar, and **K.N. Nandurkar**. "Application of Real Coded Genetic Algorithm to Dynamic Layout Benchmark Problem." IEEE Conference at Hyderabad, Dec. 2015.
64. **K.N. Nandurkar** and A.R. Shinde, "Experimental investigation of Ring gear hobbing for productivity improvement using design of experiment", National Conference on Advances in Design and Thermal Engineering (NCADTE-2016), G.H. Rasoni College of Engineering and Management, Ahmednagar, India
65. **Nandurkar K.N** and M. K. Venkatesh, "Application of Optimizing techniques in Indian auto ancillary industries for SCM", Proceedings of 31<sup>st</sup> National Convention of Production Engineering on India Emerging as a Manufacturing hub of the world by 2020-Prospects and Pathway, The Institution of Engineers (I), Karnataka State Centre, Bangaluru (May 2016)
66. Gurule, N.B and **Nandurkar, K.N**, "Multi Response Optimization of Powder Mixed EDM process parameters by Grey Relational Analysis, Proceedings of the International Conference on Modern Era Research in Mechanical Engineering (MERME-16), September 28-30, 2016, RIT, Islampur, India, pp. 439-447
67. Shinde A.R and **Nandurkar K.N**," Multi Response Optimization of Ring gear Hobbing Parameters by Taguchi Method and Grey Relational Analysis, Proceedings of the International Conference on Modern Era Research in Mechanical Engineering (MERME-16), September 28-30, 2016, RIT, Islampur, India, pp. 162-167
68. Vishnu Wakchaure, **Keshav Nandurkar** and Shrikant Kallurkar, 'Structural Equation Modeling of a Conjoint Implementation of JIT, TQM, TPM, SCM and ERP' Proceedings of the 6<sup>th</sup> International & 27<sup>th</sup> All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016, at College of Engineering., Pune, Maharashtra, INDIA
69. Gurule N.B, **Nandurkar K.N**, and Manohar Shete, "Performance improvement in sinking Electric Discharge machining using powder mixed dielectric, published in the Proceedings of The International Conference on Manufacturing Excellence (ICMAX 2017), organized by KKWIEER, Nashik, India during March 3-4, 2017, pp. 151-157
70. A.S. Relkar, **K.N. Nandurkar**, P.J. Pawar, "Predicting production quantity by integrating Monte Carlo Simulation and Regression analysis", published in the Proceedings of The International Conference on Manufacturing Excellence (ICMAX 2017), organized by KKWIEER, Nashik, India during March 3-4, 2017, pp. 498-503.
71. Jitendra Chavan, **Nandurkar K.N**, and Gurule, N.B, "Multi-response optimization of Powder Mixed Electric Discharge machining of Cobalt bonded Tungsten Carbide using Grey Relational analysis", published in the Proceedings of The International Conference on Manufacturing Excellence (ICMAX 2017), organized by KKWIEER, Nashik, India during March 3-4, 2017, pp. 537-542

72. Kalos P.S, Kalmani V.S, **Nandurkar K.N**, “Minimization of Geometrical errors in CNC turning process using ROVOP method” published in the Proceedings of The International Conference on Manufacturing Excellence (ICMAX 2017), organized by KKWIEER, Nashik, India during March 3-4, 2017, pp. 593-599
73. Charudatta Mhasde and **K.N. Nandurkar**, “Proposed model of Entrepreneurship Development Cell at KKWIEER, Nashik” presented at 48<sup>th</sup> Annual meeting of DSI: Innovative decision-making Research to Practice, Washington Hilton, Washington DC, USA during November 18-20, 2017
74. Anuradha B. Bhalerao, Supriya B. Jambure, Ravindra N. Bulakhe Ajay D. Jagadale, Abdul W. M. H. Ansari, **Keshav N. Nandurkar**, Chandrakant D. Lokhande, “Photo-electrochemical cell based on nano-structured zinc selenide (ZnSe) thin films deposited by various modes of electrodeposition”, presented at the 4<sup>th</sup> International Conference on Nanotechnology and Nanomaterials (NANOCON 018) organized by Bharati Vidyapeeth College of Engineering, Pune. during 25-26 Oct. 2018
75. Vaibhav Gaikwad, Vijaykumar S. Jatti, Padmakar J. Pawar, **Keshav N. Nandurkar**, “Mult objective optimization of Electrical Discharge Machining process during machining of NiTi Alloy using Taguchi and Utility Concept” Presented during the 2<sup>nd</sup> International Conference on Advanced Technologies for Societal Applications, (Techno-Societal 2018) organized by SVERI, Pandharpur, India during 14-15<sup>th</sup> December 2018
76. Pramod Shahabadkar, Ajinkya Joshi and **Keshav Nandurkar**, “Developing IT enabled mechanism for SWOC analysis: A case study”, published in the Proceedings of The International Conference on Manufacturing Excellence (ICMAX 2019), organized by KKWIEER, Nashik, India during February 15-16, 2019, pp. 158-164
77. V. R. Bankar and **K.N.Nandurkar**, “Research on application of Internet of Things (IoT) technology towards World Class Manufacturing (WCM) industry”, published in the Proceedings of The International Conference on Manufacturing Excellence (ICMAX 2019), organized by KKWIEER, Nashik, India during February 15-16, 2019, pp. 489-496
78. Archana L. Mourya, Suman S. Khandal, Anuradha Bhalerao. **Keshav Nandurkar**, “Online Vs Insem Examination: Performance and perception of students”, Proceedings of National Conference on Exploring new dimensions in Teaching-Learning for quality education organized by K.K.Wagh Institute of Engineering Education & Research, Nashik, India during June 8-9, 2019, pp. 299-302
79. Pramod K. Shahabadkar, V. R. Lele, P.S. Vispute and **Keshav Nandurkar**, “Enhancement of employability skills through Master Student Programme: A case study” Proceedings of National Conference on Exploring new dimensions in Teaching-Learning for quality education organized by K.K.Wagh Institute of Engineering Education & Research, Nashik, India during June 8-9, 2019, pp. 337-339

80. Vaibhav Gaikwad, Vijaykumar S. Jatti, Satish S. Chinchani and **Keshav N. Nandurkar**, "Modelling of cryo-treated EDM processing using Adaptive Neuro-Fuzzy Inference system" Presented during the International Conference on Precision, Meso, Micro and Nano Engineering (COPEN 2019) held at Indian Institute of Technology, Indore during December 12-14th, 2019
81. S.B. Sangle, **K.N. Nandurkar** and P.J. Pawar, "Incorporating E-assessment tools in teaching for effective and authentic assessment", presented at the Seventh International Conference on Transformations in Engineering Education (ICTIEE-2020) organized by Anurag group of institutions, Hyderabad during January 5-8th, 2020.
82. V. R. Bankar and **K.N. Nandurkar**, " Barriers in implementation of IoT based World Class Manufacturing", Proceedings of the International Conference on Mechanical Engineering for Sustainable development-2020, organized by Mechanical Department, AISSMSCOE Pune, Maharashtra during February 17-18, 2020
83. P. J. Pawar, **K.N. Nandurkar** and P.K. Shahabadkar, "Optimization of Supply chain system in multi-product, multi-supplier scenario using Teaching-Learning based Optimization algorithm, Proceedings of the International Conference on Industrial Engineering and Operations Management, Dubai, UAE, March 10-12, 2020
84. Prashant Shahabadkar, Dr. Ashok Kumar Vangeri, Dr. Pramod K S, **Dr. Keshav N Nandurkar**, "Design and Development of Migration Path for Supply Chain Integration for Manufacturing Industries", Proceedings of the International Conference on Industrial Engineering and Operations Management, Dubai, UAE, March 10-12, 2020
85. Bankar V. R., **Nandurkar K. N.**, "IoT Based Quality Improvement In An Automotive Industry" presented online at the International Conference on Advanced Research in Industrial & Manufacturing Applications (ICARIMA 2022), jointly organized by Department of Mechanical and Production Engineering, University of Mauritius (UoM) & Department of Mechanical Engineering, Malaviya National Institute of Technology (MNIT) Jaipur, India during October 13-14, 2022 in Mauritius.
86. Bankar V. R., **Nandurkar K. N.**, "Application of IoT in the automotive industry for Quality Improvement" presented in All India seminar on Emerging trends in Engineering and Technology organized by Pune Local center of the Institution of Engineers (India) during October 15-16, 2022 at Pune.
87. V. R. Bankar and **K. N. Nandurkar**, "Productivity Improvement In An Automotive Industry Using Best In Class (BIC) Techniques" presented at the 64<sup>th</sup> National Convention of IIIE organized by IIIE Pune chapter during December 16-17, 2022
88. Shreya P. Bire, Padmakar J. Pawar, **Keshav N. Nandurkar**, "Automatic selection of controller mode for a self-balancing robot" presented during the 64<sup>th</sup> National Convention of IIIE organized by IIIE Pune chapter during December 16-17, 2022

89. Ajinkya S. Joshi, Pramod K. Shahabadkar, **Keshav N. Nandurkar** and Dyaneshwari S. Jawale, "Factors influencing the aspirations of First Year Engineering Students: A statistical study", presented at the Tenth International Conference on Transformations in Engineering Education (ICTIEE- 2023) organized by Vidyavardhak College of Engineering, Mysuru, India during 5<sup>th</sup> to 8<sup>th</sup> January 2023.
90. P.J.Pawar and **K.N.Nandurkar**, "Particle Swarm Optimization based Simulated Annealing approach for robot inverse kinematic solutions" presented at the fourth International Conference on Advanced Engineering Optimization Through Intelligent techniques (AEOTIT) organized by Sardar Vallabhai National Institute of Technology, Surat, India during September 28-30, 2023
91. Ajinkya S. Joshi, Pramod K. Shahabadkar, **Keshav N. Nandurkar**, Ansari AWMH, and Arun Shinde, "An approach for improving admissions: A case study of and Unaided Undergraduate Engineering Institute", presented at the Eleventh International Conference on Transformations in Engineering Education (ICTIEE- 2024) organized by KLE Technological University, Hubli, India during 2<sup>nd</sup> to 4<sup>th</sup> January 2024
92. Ajinkya S. Joshi, Pramod K. Shahabadkar, **Keshav N. Nandurkar**, Ansari AWMH, Vilas Patil and Arun Shinde, "An approach for improving admissions: A case study of and Unaided Undergraduate Engineering Institute", presented at the Eleventh International Conference on Transformations in Engineering Education (ICTIEE- 2024) organized by KLE Technological University, Hubli, India during 2<sup>nd</sup> to 4<sup>th</sup> January 2024
93. Vishnu Bankar and **Keshav Nandurkar**, "Internet of Things based application of World Class Manufacturing in automotive sector" Proceedings of the International Conference on "Engineering Innovations for sustainable future" at K. K. Wagh Institute of Engineering Education and Research, Nashik during 6<sup>th</sup> and 7<sup>th</sup> January 2025, pp.372-377
94. **K.N.Nandurkar**, Vaibhav Kulkarni and P.J.Pawar, "Study and comparative analysis of material properties for solid state metal joining process", Proceedings of the International Conference on "Engineering Innovations for sustainable future" at K. K. Wagh Institute of Engineering Education and Research, Nashik during 6<sup>th</sup> and 7<sup>th</sup> January 2025, pp.383-388.
95. Vishnu Bankar and **Keshav Nandurkar**, "Application of IoT technology for effective JIT implementation in automotive industry" Presented during the International Conference on "Intelligent and Sustainable Innovations" at Dr. Moonje Institute of Management and Computer Studies, Nashik during 9<sup>th</sup> and 10<sup>th</sup> September 2025. (Received Certificate of Excellence)
96. Archana Mourya, Rupali Unhale, Mohini Aher, Leena Bharambe, Monali Kshirsagar, Rohini Patil, Anuradha Bhalerao and **Keshav Nandurkar**, "The impact of Higher Secondary level entrance examination score on Academic performance in First Year of Engineering: A Case study", presented at the Thirteenth International Conference on Transformations in Engineering Education (ICTIEE- 2026) organized by GITAM University, Bangalore, India during 8<sup>th</sup> to 10<sup>th</sup> January 2026

## 12. Invited lectures delivered

- **New perspectives in strategic planning**, during the course on Strategic Planning and Institutional Development organized at K. K. Wagh College of Engineering, Nasik (Jan. 1996)
- **Industrial Engineering Techniques**, during the course for Naval officers organized at INS Karanjia (July 1999)
- **Virtual Cellular Manufacturing Systems**, during CEP course on Agile Manufacturing Systems organized by I.I.T Bombay (Jan. 2000)
- **Kaizen through Group Technology**, during ISTE Short term course on Kaizen at K.J. Somiya Polytechnic, Mumbai (December 2002)
- **Cellular Manufacturing Systems**, during ISTE Short term course on “Advances in Manufacturing systems and Industrial Automation” at K.K. Wagh College of Engineering, Nashik (June 2003)
- **Virtual Cellular Manufacturing Systems**, during CEP course on “Production Management” organized by IIT Bombay during October 9-11, 2004.
- **Project Management**, during training programme for engineers of Enercon (India) Ltd., Daman, July 2005.
- **Cellular Manufacturing systems**, Expert Lecture organized by Mechanical Engineering Students Association of College of Engineering, Ahmednagar on 23<sup>rd</sup> March 2006 at Ahmednagar, India
- **Group Technology & CMS**, Expert Lecture organized by Production Engineering Students Association of A.V. College of Engineering, Sangamner, India on 30<sup>th</sup> September 2006
- **Cellular Manufacturing systems & Value Stream mapping**, during CEP course on “Lean Manufacturing” organized by IIT Bombay during October 11-15, 2006.
- **Group Technology** during CEP course on “Production Management” organized by IIT Bombay during 24-28, April, 2007
- **Introduction to GT/CMS and GT in Indian context** at CEP course on “Production Management” organized by IIT Bombay during 4-8, August 2007
- **Advanced Gear Materials** for two days’ workshop on “Advanced Gear Manufacturing” organized by A.V. College of Engineering, Sangamner on 25<sup>th</sup> August 2007

- **Six Sigma: A methodology for business excellence**, for one day workshop on “Recent trends in Inspection & Quality Control” organized by P.D.V.V.P College of Engineering, Ahmednagar on 18<sup>th</sup> March 2008.
- **Group Technology**, during the CEP programme on Production Management organized by IIT Bombay during 16-20 April 2008.
- **Application of optimization techniques in design of CMS**, during one-week AICTE sponsored STTP organized by SVNIT, Surat, Gujarat, India during June 16-20, 2008.
- **Glimpses of US tour** at Marathwada Mitra Mandal’s College of Engineering, Pune on 28<sup>th</sup> January 2009.
- **World class manufacturing** for two days national conference on ‘World Class Manufacturing’ organized by A.V. College of Engineering, Sangamner Feb. 26<sup>th</sup> and 27<sup>th</sup>, 2009.
- **World class manufacturing: An overview** during one day seminar on ‘World Class Manufacturing’ organized by The Institution of Engineers (India) Maharashtra State Center at Mumbai on April 19<sup>th</sup>, 2009.
- **Learning Factory** for two days Faculty Development programme on ‘Effective Teaching through Curriculum innovation’ organized at K. K. Wagh Institute of Engineering Education & Research, Nashik during June 8-9, 2009
- **Learning Factory** during the One-day workshop on “Effective Teaching” organized by Sir Visvesvaraya Memorial Engineering College, Chincholi on 6<sup>th</sup> October 2009
- **Learning factory approach to engineering education** under two days workshop on “Best Practices in Engineering Education for Total Quality Management” organized by MET’s Institute of Engineering, Nashik during February 5 and 6<sup>th</sup>, 2010
- **Technical Education: Current status, Issues and Challenges** for two days Conference on “Retrospection on fifty years of Maharashtra State” organized by Yasvantrao Chavan Maharashtra Open University, Nashik during March 13-14, 2010.
- **Effective Teaching** workshop conducted during two IUCEE FLI 2010 programmes conducted at VIT Pune during June 23-24, 2010 and at Jaypee University of Engineering & Technology, Guna (MP) during July 5-6, 2010
- **Seven habits of Effective people** during the Workmen Training programme for Mahindra & Mahindra, Nashik organized by KKWIEER Nashik on 19<sup>th</sup> November 2010.

- **How to teach Robotics effectively?** During the one-week (20<sup>th</sup> to 24<sup>th</sup> December 2010) training programme on Robotics organized by Sandip Polytechnic Nashik, India
- **Effective teaching** During the one-week (6<sup>th</sup> to 11<sup>th</sup> February 2011) training programme on Non-Conventional Manufacturing organized by Guru Govind Singh Polytechnic Nashik, India
- **Quality Control Techniques: A review** for one day programme on Quality Control organized by Pravara Rural Engineering College, Lonion 23<sup>rd</sup> February 2011
- **Innovative Teaching Learning Methods** during one week (27<sup>th</sup> June to 1<sup>st</sup> July 2011) Faculty Development Program on Effective Teaching-Outcome based learning in Engineering Education by Rajarambapu Institute of Technology, Sakhrale, India
- **Effective teaching** for staff members of K.V.N.Naik Institute of Engineering and Research, Nashik on 12<sup>th</sup> October 2011
- **Effective teaching: some issues** for one day workshop on Effective teaching-learning methods organized by Sandip Polytechnic, Nashik on 10<sup>th</sup> December 2011.
- **How to prepare for accreditation** for one week orientation programme organized by Matoshri Education Society's College of Engineering, Nashik on December 20, 2011
- **Application of TQM tools in Engineering Education** during one day seminar on TQM in Engineering Education, organized by Engineering Education Foundation-Nashik Consortium at KKWIEER, Nashik on 21<sup>st</sup> April 2012.
- **Preparing for NBA**, during half day seminar on NBA preparation at Modern Education Society's College of Engineering, Pune on 13<sup>th</sup> June 2012
- **Virtual Cell Manufacturing Systems** during one week content updating programme on Advances in Manufacturing processes, Systems and Materials (AMPSM) organized by Government Polytechnic, Nashik on 24<sup>th</sup> December 2012
- **Application of Optimization Techniques in Cell Formation problem**, for one week programme on Optimization Techniques organized by SVNIT Surat during 7-11, January 2013.
- Invited talk on **World Class Manufacturing** during the International Conference on Manufacturing Excellence (ICMAX 2013) organised by JJTU, Jhunjhunu, Rajasthan during January 28-20, 2013

- **Simulation of Manufacturing Systems** during two days seminar on “Simulation modeling in Manufacturing & service industry” organized by K. K. Wagh Institute of Engineering Education & Research, Nashik during March 1-2, 2013
- **Research proposals** during two-week State level Workshop on “Research Methodology” organized by K. K. Wagh Institute of Engineering Education & Research, Nashik during August 23-24, 2013
- Expert lecture through VLC on **Production Systems** and **Modern Trends** for third year diploma students of Maharashtra State organized by Maharashtra State Board of Technical Education (MSBTE) on 28<sup>th</sup> January 2014
- Expert lecture on “**Optimization in Manufacturing**” during the two-day seminar on “Advance Statistical Techniques for Tool & Die Design” organized by KKWIEER Nashik on 13<sup>th</sup> September 2014
- Expert lecture on “**Manufacturing Competitiveness**” for two days seminar on “Innovations in Design and manufacturing” organized by AV College of Engineering, Sangamner on 19<sup>th</sup> September 2014
- Session Chairman for the **Session on Technical Education** during the National Annual Convention of Maharashtra Council of Educational Administration & Management in collaboration with MSG Foundation on “Quality Higher Education: Challenges and emerging trends” at Bytco College, Nashik Road on 31<sup>st</sup> October 2014
- Expert lecture on **Statistical Quality Control** for one week content updating program on Metrology & Quality Control organized by K.K.Wagh Polytechnic, Chandori, Dist. Nashik, India on 9<sup>th</sup> December 2014
- Resource person for the one-day workshop on “**Changing scenario in Higher Education & Role of stakeholders**” organized by Dr. Moonje Institute of Management & Computer Studies, Nasik on 9<sup>th</sup> January 2015.
- Expert talk on “**Role of management in Technical Education**” organized by K. K. Wagh Arts, Science and Commerce College, Nasik on 27<sup>th</sup> March 2015
- Expert lecture on “**Role of simulation in manufacturing excellence**” for two weeks FDP on “Manufacturing Excellence” organized by AVCOE, Sangamner on 21<sup>st</sup> April 2015
- Expert lecture on “**Simulation for manufacturing competitiveness**” organized by R.H. Sapat College of Engineering and Management Research, Nashik on 2<sup>nd</sup> February 2016
- Expert lecture on **Preparation for Outcome based assessment**, for one week organized by Government Polytechnic, Pune on 13<sup>th</sup> January 2017 at Pune

- Keynote address on **Research Methodology**, during State level workshop organized by Dr. Moonje Institute of Management and Computer studies, Nashik on 3<sup>rd</sup> February 2017
- Expert lecture on “**Simulation for manufacturing competitiveness**” organized by A.V.College of Engineering Sangamner on 22<sup>nd</sup>December 2017 during the two-week FDP program sanctioned by AICTE, New Delhi
- Keynote address on “**Research procedure: Some experiences**” organized by Government Polytechnic, Nashik for one week FDP on Research Methodology and Optimization, 30 Jan-4<sup>th</sup> February, 2018
- Invited as a **panel speaker** for the Global Engineering Education Panel during the second South American International Conference on Industrial Engineering and Operations Management, Sao Paulo, Brazil to be held during April 5-8, 2021.
- Keynote session on “**Creative problem solving**” for one week online short-term program on Innovative and Inventive Problem solving (IIPS -2021) organized by AISSMS College of Engineering, Pune during June 22-27, 2021
- Expert speech on “**Research experimentation and Procedure**” organized by Government Polytechnic, Nashik for one week FDP on Research Methodology and Optimization Techniques (RMOT -2021), 13<sup>th</sup> December -17<sup>th</sup> December 2021
- Invited as resource person for session on “**Active Learning Techniques**” organized by Guru Gobind Singh Engineering College, Nashik for one week FDP on Outcome based Education, 14<sup>th</sup> February -19<sup>th</sup> February 2022
- Invited talk on “**Preparation for NAAC visit**” at K. K. Wagh College of Arts, Science, Commerce and Computer Science, Chandori, Nashik on 5<sup>th</sup> December 2022
- Invited talk on “**Outcome based Education and role of faculty**” at Vidyavardhini’s College of Engineering and Technology, Vasai Road (W.), Vasai on 8<sup>th</sup> February 2024
- Invited talk on “**NAAC visit- Presentation of Best practices**” at K. K. Wagh College of Arts, Science, Commerce and Computer Science, Kakasaheb Nagar, Niphad, Nashik on 6<sup>th</sup> March 2024
- Invited talk on “**Preparation for NAAC visit**” at K. K. Wagh College of Education, Nashik on 13<sup>th</sup> January 2025
- Invited during live webinar to talk on “**Strengthening Faculty Development in Indian HEIs: Challenges and Global solutions**” by ONEHE on 1<sup>st</sup> May 2025.