

Dattatraya V. Bhise

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Greater Noida

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OBJECTIVE

Looking forward for a position where my technical skills, teaching and academic administration experience can be enhanced and shared for the ultimate growth of the organization.

EDUCATION

Ph. D., Mechanical Engineering

Thesis Submitted

Amravati University, Amravati (M.S.)

August 2018

M.E., Advanced Production System

76.56 % (Honors)

Samrat Ashok Technological Institute,
(A Grant-in Aid Autonomous Institute)
Vidisha, RGPV, Bhopal.

November 2003

B.E., Production Engineering

70.41 %

Amravati University, Amravati (M.S.)

August 1997

Ph. D., DISSERTATION

The central theme of the work reported in the thesis is to investigate the critical success factors in the implementation of Advanced Manufacturing Technologies specifically in Small and Medium sized Enterprises. The implementation of advanced manufacturing technologies (AMT) is a very comprehensive process and there are various drivers, barriers and success factors of AMT implementation process that influence the successful adoption of the technology. The drivers, barriers and success factors not only adversely affect the implementation process but also influence one another. For successful implementation of the AMTs, these drivers, barriers, and success factors are to be understood properly and analyzed for relationships amongst them.

PROFESSIONAL EXPERIENCE

19 years of teaching experience in the area of Mechanical / Production Engineering

<i>Professor</i> Dronacharya Group of Institutions, Greater Noida	01.01.2013– 29.01.2018
<i>Associate Professor</i> Dronacharya Group of Institutions, Greater Noida	01.01.2010 – 31.12.2013
<i>Assistant Professor</i> Dronacharya Group of Institutions, Greater Noida	18.08.2018 – 31.12.2010
<i>Assistant Professor</i> Amity School of Engineering, Amity University, Noida	01.08.2005 – 17.08.2008
<i>Senior Lecturer</i> School of Engineering & Applied Sciences, Rai University, New Delhi	03.09.2003 – 31.07.2005
<i>Lecturer</i> B.N. College of Engineering, Pusad, Amravati University	25.08.1997 – 31.05.2001

PUBLICATIONS

International Journals

1. Bhise, D. V. and Sunnapwar, V. K. “Developing Theoretical Framework for the Implementation of Advanced Manufacturing Technologies in Small and Medium- sized Enterprises”. International Journal of Applied Management Technology, 2018. (Accepted)
2. Bhise, D. V. and Sunnapwar, V. K. “Assimilation of Advanced Manufacturing Technologies in Indian Small and Medium Sized Enterprises”. International Journal of Innovation and Technology Management, under review.
3. Bhise, D. V. and Sunnapwar, V. K.—Modelling the Barriers to AMT Adoption in Indian SMEs. Journal of Manufacturing Technology Management, communicated, under review.
4. Bhise D. V., “Application of MADM Using AHP for the Justification of Material and Process Selection” International Journal of Engineering Sciences and Management, Vol. III, Issue 1, Jan-June’2013, pp. 28-32, ISSN 2231-3273.
5. Bhise D.V., “Defect Minimization by using problems solving tools: A Case Study”,

Conference Papers

1. Bhise Dattatraya, Sunnapwar Vivek, “Developing Theoretical Framework for the Effective Implementation of Industry Academia Collaboration”, 45th ISTE Annual National Convention and International Conference on “ Challenges & Opportunities in Technical Education in the era of sustainable development” HVPM, Amravati, 9-11 January, 2016.
 2. Bhise Dattatraya, Sunnapwar Vivek, “Implementation of Advanced Manufacturing in Small and Medium Sized Enterprises: An Empirical Study” 3rd International Conference on Industrial Engineering (ICIE-2015) & 57th National Convention of Indian Institution of Industrial Engineering at Sardar Vallabhbhai National Institute of Technology, Surat, 26-28 Nov. 2015.
 3. Bhise Dattatraya, et al. “Design and Development of Labourer Load Reducer” India International Science Festival, IIT Delhi, 4-8 December, 2015.
 4. Bhise Dattatraya, “Attaining Manufacturing Sustainability through Cycle Time Reduction: A Case Study” International Conference on Energy Technology, Power Engineering and Environmental Sustainability (ETPEES-2014), JNU, Delhi, 21-22 June 2014.
 5. Bhise Dattatraya, Sunnapwar Vivek “Globalisation and Its Impact on Innovation in SMEs, International Conference on Manufacturing Sustainability, BITS Pilani, December 2012.
 6. Bhise Dattatraya, Sunnapwar Vivek “Adoption of Advanced Manufacturing Technologies in Small and Medium Enterprises”, International conference on Production and Industrial engineering organized by NIT Jalandhar. (22-24 March 2007).
 7. Bhise Dattatraya, Sunnapwar Vivek, “Technology Investment Decision Process: Classification of the Issues”, National conference on Trends and Advances in Mechanical Engineering (TAME 2006) held at YMCA, Faridabad (9-10 Dec 2006.)
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RESEARCH INTEREST

Operations/ Manufacturing Management and Advanced Manufacturing Technologies in MSMEs

The objective of this stream of work is to understand the specific problems, unique context and competitive advantages of small-scale industry with special focus on India in general and SMEs in particular. The work spans among various operations management practices that play a significant role in advanced manufacturing technology

implementation and adoption by MSMEs and ultimately in performance improvement of the small scale industries.

ACADEMIC ADMINISTRATION

Head of the Department - Mechanical Engineering, 21.10.2010 - 29.01.2018
Dronacharya Group of Institutions,
Greater Noida

Nodal Center Head – Examination, Dec.2013- Jan.2015
Mahamaya Technical University
Dronacharya Group of Institutions,
Greater Noida

Dean (Student Affairs) – UG 16.07.2007 - 17.07.2008
Amity School of Engineering,
Amity University Noida

Dy. Superintendent of Examination, 10.09.2005 - 16.07.2008
Amity School of Engineering,
Amity University Noida

Coordinator - Mechanical Engineering Department August 2004- July 2005
School of Engineering and Applied Sciences,
Rai University Delhi

INITIATIVES TAKEN

1. Worked as nodal center coordinator at Dronacharya Group of Institutions (DGI) Greater Noida for Virtual Lab Project- IIT Delhi during the year 2016-2018.
2. Received funding from Council of Science & Technology CST–UP for student project in 2017.
3. Established DGI- BOSCH Joint Certification Center (JCC) at DGI Greater Noida in 2017 for skill development of students in
 - i) Auto-Electricals

ii) Engine Management System

4. Received grant from DST for student driven projects under Innovation and Entrepreneurship Development Centre (IEDC) scheme (Rs. 65000 each for five student projects, January 2016).
 5. Established Automation Lab in association with FESTO India at DGI Greater Noida for imparting training to students in the area of automation, January 2016.
 6. Established Center of Excellence for Smart Manufacturing (CoESM) under the aegis of PPDC-Technology Development Center, Agra (Ministry of MSME) at DGI Greater Noida on August 17, 2016.
 7. Established e-Yantra Robotics lab (IIT Bombay) at DGI for imparting training to students in the area of Embedded Systems and Robotics on January 16, 2015.
 8. During my tenure as HOD Mechanical at DGI, Greater Noida the department has filed 6 patent applications on student driven projects in the year 2014 and 2015.
 9. MOU signed with BOSCH India Pvt. Ltd. for internship of DGI students
 10. Received funding from IEEE for two student projects under IEEE-UPP mini project Scholarship, September 2015.
 11. Received grant for from AICTE for conducting Two Weeks Faculty Development Program on Introduction to Finite Element Analysis at DGI in May 2015.
 12. Established SAE-India Collegiate Club at DGI, Greater Noida on April 14, 2014
 13. Established Student Support Wing of Indian Industries Association (IIA) at DGI with a view to increase summer training and internship opportunities for students on February 14, 2014.
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CONFERENCES / WORKSHOPS / FDPS ORGANISED

1. Coordinator, A Four Week AICTE approved FDP by IIT Bombay on - Use of ICT in Education for Online and Blended Learning, conducted by IIT Bombay under NMEICT program from May 2, 2016 to July 10, 2016.
2. Coordinator, AICTE sponsored Two Week Faculty Development Program on "Introduction to Finite Element Analysis", at DGI Greater Noida during May 2 -16, 2015.
3. Coordinator, One Week ISTE Workshop on Fluid Mechanics conducted by IIT Kharagpur, May 20 -27, 2014 through NMEICT.
4. Coordinator, One Week Workshop on "Instructional delivery and student evaluation" Conducted by NITTTR Chandigarh at DGI Greater Noida 16 – 20, November 2015.

CONFERENCES/ SEMINARS / WORKSHOPS/ STTP ATTENDED

1. Attended a Conference on “Developed Village – Developed Nation” organized by AICTE, Delhi on October 28 – 29, 2017.
2. Participated in a panel discussion on “Quality of Instruction” organized by NITTTR, Chandigarh on November 16, 2016.
3. Attended a National Conference on Intellectual Property Rights (IPR) organized by PHD chamber of Commerce and Industry, Delhi on December 16-17, 2016.
4. Attended a workshop on “Experiments for Robotics Class” organized by Department of Mechanical & Industrial Engineering, IIT Roorkee on February 13, 2016.
5. Attended one week workshop on “Climate Change, Disaster Management and sustainable Development” Conducted by NITTTR Chandigarh at DGI Greater Noida during January 11-15, 2016.
6. Participated in one week QIP on “Integrated Automation Technologies” at IIT Delhi during June 1-6, 2015.
7. Attended Two day ISTE e-Seminar on Steps 2 Research organized by Department of Computer Science, Amal Jyothi College of Engineering, Kanjirappally, Kerla on 19 -20, September 2014.
8. Attended one week workshop on ‘Strategic Management of NSQF, Community Colleges & Skill Development Scheme’ by NITTTR Chandigarh at DGI Greater Noida, June 23 –27 2014.
9. Attended One Week ICT based Short Training on “Faculty Induction Program” conducted by NITTTR, Chandigarh, at DGI Greater Noida, January 13th - 17th, 2014
10. Delivered Lecture in FDP Program on “Strategies for Effective Teaching Learning” held in July 2013.
11. Participated in the 53rd National Conference and Convention on “India as a Technology Hub” organized by Indian Institution of Industrial Engineering (IIIE) held at Scope Convention Centre, Scope Complex, Delhi on December 15 & 16, 2011.
12. Participated in Mission 10X Workshop conducted by Wipro in coordination with ISTE, during 27 September to 1 October 2011.
13. Attended one day ISO certification programme on ISO awareness at DGI Greater Noida on July 21, 2009.
14. Attended a national seminar on Transformation of Energy Resources and Applications at

DGI Greater Noida on July 18, 2009.

15. Attended two day workshop on “Pro- Engineer (Wildfire 2.0)” at Rolta India, New Delhi during July 22– 24, 2004
 16. Attended “Faculty Development Programme” Sponsored by DST, Govt. of India, at S.A.T.I. Vidisha (M.P.) during December 3 - 19, 2001
 17. Attended a National seminar on “Two Wheelers of Tomorrow”, held at BN College of engineering, Pusad (M.S.) during January 29 -30, 1999.
 18. Attended National level workshop on “Design of Machines and Mechanisms”, January 1998, held at BN college of engineering, Pusad (M.S.)
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COURSES TAUGHT

At UG Level

- Production Planning and Control
- Manufacturing Technology
- Automation and Robotics
- Computer aided Manufacturing
- Production Management
- Total Quality Management
- Machine Tool Design
- Unconventional Manufacturing Processes

At PG Level

- Operations Management
 - CAD/CAM
 - Supply Chain Management
 - International Logistics
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PROJECTS GUIDED

- Design of Auto move Weeding and Ploughing machine.
 - Design and manufacturing of a Go-Cart.
 - Design & manufacturing of a Sugarcane Cutter
 - Design & development of Labourer Load Reducer
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PROFESSIONAL MEMBERSHIPS

- Life member of Indian Society for Technical Education (ISTE) (Membership No.77029)
 - Member of IEEE (Membership No 93717895)
 - Life member of Indian Institution of Industrial Engineering (IIIE)
 - Life member of Center for Education Growth and Research (CEGR)
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PERSONAL DETAIL

Date of Birth : 28.12.1974
Father's Name : Shri. Vishwasrao Bhise
Languages : Proficient in English, Hindi and Marathi
Nationality : Indian

HOW CAN I CONTRIBUTE TO THE ORGANIZATION?

I can contribute to the positive development of the organization through following institutional building activities:

1. **Developing Research Culture:** Developing scientific temper in the students and peers by working on frontend research problems.
2. **Consultancy Work:** Since the domain of my research area is Advanced Manufacturing Technology implementation in Small and Medium sized Enterprises which is need of the hour, consultancy projects can be taken up. Interested peers can be accommodated in this work.
3. **Teaching- Learning:** Can immediately teach subjects related to Manufacturing Technology, Automation, Operations / Supply chain Management through student centric teaching pedagogy based on active learning principles.
4. **Skill development:** Can establish Joint Certification Centers (JCC) in coordination with SIEMENS India, FESTO India and BOSCH Automotive. These JCCs with advanced laboratories like Automation (Basic Pneumatic, Electro-Pneumatic and PLC), Robotics, CAD/CAM and Vehicle Testing can be used for imparting hands-on training to Mechanical and Electrical Engineering students.
5. **Examination:** Since examination is an integral part of the teaching learning process and as I have worked as a nodal center head and examination superintendent earlier,

responsibility of handling internal and external theory/ practical examination of the institute can be taken up immediately.

6. **Certification Courses:** My experience in coordinating with external agencies can be utilised for conducting direct to student certification programs offered by QEEE, Spoken Tutorial, NPTEL and NITTTR.
 7. **Interaction with Local –Small scale Industries:** To enhance the summer training and internship opportunities for engineering and management students, close interaction with the local industries can be developed. I have done this at DGI in association with Indian Industries Association (IIA) Noida phase-II and Greater Noida chapter that resulted in increased work opportunities for students.
 8. **Academic Administration:** Experience in academic administration would be of help for planning and implementation of various day to day departmental activities.
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