Curriculum Vitae

Name: Dr. Prashant Mahadev Ambad

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Mobile: +91 9422708028

Date of Birth: 14th May, 1979

Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/CGPA	Remarks
Ph.D.	Reliability Engineering	IIT Delhi	IIT Delhi	2013	CGPA 10 (Course Work)	--
M.E..	Production Engineering	VJTI, Mumbai	Mumbai	2006	65.27	First Division
B.E.	Production Engineering	JNEC, Aurangabad	Dr. BAMU, Aurangabad	2000	67.33	Distinction

M. E. Project: Study and Analysis of Material Flow Movement to Minimize the Length of Job Travel at Godrej & Boyce Manufacturing Limited, Vikhroli, Mumbai (MS).

Ph. D. Research: A Methodology for Warranty Optimization and Negotiation with Specific Focus on Reliability and Warranty Attractiveness.

Key Research Areas:

- Industry 4.0
- Reliability Engineering
- Warranty Management
- Maintenance Management
- Quality Engineering

Sr. No.	Organization	Post	From To	No. of Years
1	Maharashtra Institute of Technology, Aurangabad	Associate Professor	2nd Nov, 2012 to Till Date	9.5 Years
2	Marathwada Institute of Technology, Aurangabad	Lecturer (Re-designated as Assistant Professor)	17th Feb, 2003 to 1st Nov, 2012	9.5 Years

Working as a Dean (Academics and Quality Assurance) at Maharashtra Institute of Technology, Aurangabad since 19th June, 2021.

List of Courses Taught/Teaching at UG level

Taught/Teaching the following course at UG level at Maharashtra Institute of Technology, Aurangabad.

- Industry 4.0
- Rural Community Engagement
- Costing and Financial Management
- CAD/CAM
- Project Management and Operations Research
- Control system Components
- Computational Techniques
- Production Management
- Basics of Mechanical Engineering
- Computer Fundamentals and Programming

List of Courses Taught/Teaching at PG level

Taught/Teaching the following course at PG level at Maharashtra Institute of Technology, Aurangabad.

- Reliability and Maintenance Engineering
- Computer Integrated Manufacturing

Taught the following course at UG level at Marathwada Institute of Technology, Aurangabad.

- Operations Research

- Production, Planning and Control

- CAD/CAM

- Computer Fundamentals

- 'C' Programming

- Mechatronics-I

- Elements of Mechanical Engineering

Conducted following tutorial/labs/teaching as teaching assistantship at IIT Delhi

- Value Engineering (PG Level, MEL 671)

- Operations Planning and Control (PG Level, MEL754; UG Level MEL322)

- Industrial Engineering and Operations Research (UG Level, MEL221)

- Quality Assurance (PG Level, MEL752)

- Maintenance Management (PG Level, MEL866)

- Industrial Engineering and Systems (PG Level, MEL751)

- Production Management (UG Level, MEL421)

- Introduction to Production and Industrial Engineering (MEN120)

Additional Assignments/Duties

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

- Working as a Chairman of Adhoc Board in Automobile Engineering/ Workshop Technology/ Refrigeration and Air Conditioning.

- Worked as a Board of Studies (BOS) Member for Mechanical/Production Engineering.

- Worked as a District Coordinator for AVISHKAR 2016, 17 and18.

- Working as a College Coordinator for AVISHKAR Cell.

- Worked as a CAS Asstt. Director/Officer for Dr. B.A.M.U. Engineering Examinations.

Maharashtra Institute of Technology, Aurangabad (Nov 2012 –Till date)

- Working as a Governing Body Member at the Institute.

- Working as a Principal Investigator for Technology and Development Solutions Cell.

- Working as a member of Steering Committee for Admission

- Worked as a Coordinator for Autonomous Status proposal.

- Working as a UBA Coordinator for Unnat Bharat Abhiyan.

- Working as a Nodal officer for Unnat Maharashtra Abhiyan.
- Working as a President of Institution's Innovation Council.
- Working as an Internal Quality Assurance Cell (IQAC) Director.
- Working as a Project Manager for MOU with MAGIC incubation Center.
- Working as an Institute Coordinator for GIZ-MASSIA projects.
- Working as an In-charge, MIT-MSME Incubation Centre.
- Working as an In-charge, Industry Cell (Innovation, Incubation and Linkages, Entrepreneurship Development
- Working as a Planning and Evaluation (Steering) Committee Member for Accreditation.
- Working as a Ph.D. Co-ordinator for Mechanical Engineering Research Center.
- Working as a SPIC MACAY Student Chapter Treasurer.
- Working as a member of Research Committee.
- Working as a member of curriculum development committee.
- Working as a Lab In-charge of Research Laboratory.
- Worked as an In-charge, Industry Institute Partnership Cell.
- Worked as a MIT-IIIE Student Chapter Faculty Co-ordinator
- Worked as a Head (Second Shift), Department of Mechanical Engineering.
- Worked as a coordinator for IonCUDOS software implementation.
- Worked as an In-charge, Entrepreneurship Development Cell.
- Worked as a member of OBE committee.
- Worked as a Chairman of System Design and Development.
- Worked as a M. Tech. Co-ordinator.
- Worked as a Departmental NBA Co-ordinator.
- Worked as a Peer Assessment Committee Member for Academic Audit.
- Worked as a M.E. /M. Tech. admission committee member for Year 2013-14.
- Worked as a Departmental Project and Seminar Co-ordinator for Year 2013-14.

Marathwada Institute of Technology, Aurangabad (Feb 2003- Oct 2012)

- Worked as a Lab In-charge for CAD/CAM & Automatic Control Systems (ACS) Laboratory.
- Worked as a Co-ordinator for Entrepreneurship Development Cell.
- Worked as a Departmental Co-ordinator for AICTE/NBA.
- Worked as a member of admission committee for the year 2005-06 and 2006-07.

- Worked as a Practical/ Oral Co-ordinator for Dr. B.A. M. University Examinations.
- Worked as a co-ordinator for Expert-MIT MOU for CAD/CAM

Membership of Professional Bodies

- Life Member of ISTE (LM 41004)
- Life Member of IIIE (M9692)
- Life Member of IAENG (Member No: 117315)
- Annual Membership of IIPE (Member: Regn.No.W/M/1320)

Research Projects/Projects Guided

- Ph. D. Dissertation: A Methodology for Warranty Optimization and Negotiation with Specific Focus on Reliability and Warranty Attractiveness at R & D, Greaves Cotton Limited, Aurangabad (MS)
- M. E. Project: Study and Analysis of Material Flow Movement to Minimize the Length of Job Travel at Godrej & Boyce Manufacturing Limited, Vikhroli, Mumbai (MS)
- Guided/Guiding Industrial Live Projects at post Graduate and Under Graduate Level.

Computer/Software Proficiency

- R-programming
- Python Programming
- LaTeX
- MATLAB (Mathematical programming language and optimization)
- MAPLE (Mathematical calculation, analysis, optimization, simulation)
- @Risk for excel, Risk optimizer for excel
- Weibull++ (Reliability life data analysis)
- BlockSim7 (Reliability, maintainability, availability analysis, throughput simulation)
- Statistica (Statistical analysis)
- Delmia (System modelling and optimization)
- Relex (OpSim, maintainability prediction, Life-cost cycle, Markov, OpSim)
- MS office (MS Excel and Excel Solver, MS Word, MS Power point)
- 'C' Programming
- AutoCAD

Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference Attended

- Participated in the Social Entrepreneurship training under the project YES Club-Youth Entrepreneurs Social Club conducted in Bhaktapur, Kathmandu, Nepal from 26th March, 2022 to 4th April, 2022.

- Participated in workshop on "Assessment and Evaluation in Online Mode" by Dr. Surendra Rathod, Professor, Electronics Engineering Department, Sardar Patel Institute of Technology Mumbai at 3.15 pm on 15th January, 2022.

- Participated in workshop on "Examination Reforms" by Dr. Vinay Kulkarni, Associate Professor, Mechanical Engineering Department, DY Patil College of Engineering, Akurdi, Pune at 3.30 pm on 12th February, 2022.

- Organized an Impact Series webinar on "Innovation and Entrepreneurship" under Institution's Innovation Council funded by MOE's Innovation Cell, AICTE on 8th November, 2021.

- Organized an Impact Series webinar on "Intellectual Property Rights" under Institution's Innovation Council funded by MOE's Innovation Cell, AICTE on 16th October, 2021.

- Participated in a seminar on "Curriculum Design and other aspects of Autonomy" by Prof. Dr. B. N. Chaudhari, Principal, Sardar Patel Institute of Technology, Mumbai delivered on 8th October, 2021.

- Participated in a Webinar on "Implementation of Autonomy - RIT Case Study" by Prof. Dr. Sushma Kukarni, Director, RIT Sakhrale on 4th October, 2021.

- Participated in a two weeks Online Faculty Development Programme on "Effective use of ICT Tools in Teaching-Learning" from 22nd June, 2020 to 4th July, 2020 at Maharashtra Institute of Technology, Aurangabad.

- Participated in a three days "The BodhiTree and SAFE Tools for Effective Online Teaching A Hands On Workshop" organized by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India on 19th, 20th & 21st June 2020.

- Attended a Five days online Short Term Training Program on "Internet of Things and its Application in Industry" jointly organized by the Department of Instrumentation Engineering, Ramrao Adik Institute of Technology, Navi Mumbai and B & R Automation Pvt. Ltd. Pune from 8th June, 2020 to 12th June, 2020.

- Participated in One Week Online Faculty Development Program on "LaTeX" Department of Civil Engineering, Shri. Vile Parle Kelavani Mandal's Institute of Technology, Dhule in

association with Spoken Tutorial, Indian Institute of Technology Bombay, conducted from 1st June 2020 to 7th June 2020.

- Participated in ISTE & IEI Approved National Level One Week Online FDP on "Advanced Teaching Tools, Techniques and Methodologies for Outcome Based Education" organized by Center of Excellence in Teaching & Learning, AISSMS College of Engineering, Pune from 01-05 June 2020 .

- Participated in two days online Hands on Faculty Development Program on "Effective use of ICT Tools for Efficient Online Teaching" organized by Information Technology Department, Pune Institute of Computer Technology, Pune on 29th and 30th May, 2020.

- Participated in online short term training programme on " Outcome Based Education & Accreditation " organized by Department of Mechanical Engineering, Dr. Rajendra Gode Institute of Technology and Research, Amravati held during 26th May, 2020 to 30th May, 2020.

- Attended the interaction session and successfully completed both pre and post workshop online activities involving 3 days of video lectures and hands-on work training on "Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop" organized by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India on 24th May, 2020.

- Attended a two week International Faculty Development Program on "Emerging trends in Industry 4.0" Organized by Computer Engineering Department, JSPM's Rajarshi Shahu College of Engineering, Pune from 18th May, 2020 to 29th May, 2020.

- Attended a webinar series on "Future Vision: Marriage of AI and Blockchain" organized by Department of Computer Science and Engineering, Rajajrambapu Institute of Technology, Rajaramnagar from 14th May, 2020 to 17th May, 2020.

- Attended a one week Faculty Development Program on "Spoken Tutorial Technology" organized by Department of Mechanical Engineering of Smt. Kashibai Navale College of Engineering in Association with Spoken Tutorial, IIT Bombay from 18th to 22nd May, 2020.

- Attended a one week online Faculty Development Program on "Outcome based education: a step towards excellence" under Margdarshan Scheme of AICTE, New Delhi organized by Government College of Engineering, Karad from 11-15 May, 2020.

- Participated in National level One Week Online Faculty Development Program on "R Programming Language"   with included a demonstration cum hands on exposure,

organized by AISSMS College of Engineering Pune from in association with Spoken Tutorial Project, IIT Bombay 28th April to 04th May, 2020.

- Participated in the 4-days Online Course on Examination Reforms conducted during 29 April to 2 May, 2020 organized by AICTE.

- Attended a One Day Awareness Programme on Revised NAAC Accreditation Framework at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 07th March, 2020.

- Attended a two days workshop on Techno-Economic Assessment of MSMEs in Rural Areas under Unnat Maharashtra Abhiyan (UMA) organized by Gharda Institute of Technology, Khed, Ratnagiri on 17th and 18th February, 2020

- Attended a three days Capacity Building Workshop organized by GIZ at Lonavala from 18th Dec, 2019 to 20th December, 2019.

- Attended one day Workshop on Smart Manufacturing Acropolis Institute of Technology & Research (AITR), Indore at Acropolis Institute of Technology & Research Indore on 27th September, 2019.

- Attended one day ideation workshop on "Skill Development of Tribal Youth" at Prof. Ram Meghe Institute of Technology & Research, Amaravati on 6th May, 2019.

- Attended one day Kick off meeting for Project "Industry Academia Consortium on Smart Manufacturing (IndAC-SM) under Academia Partnership Program (IAPP) of Royal Academy of Engineering, London" at IIT Bombay, Mumbai on 22nd March, 2019.

- Attended Three Days faculty development workshop on revised NAAC methodology at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad from 11th Feb, 2019 to 13th Feb, 2019.

- Attended one day workshop on Examination reforms at College of Engineering Pune, Pune on 1st February, 2019.

- Attended Global Initiative of Academic Networks (GIAN) Course "Technical Challenges and Solutions for Holistic Development of Communities" (Under the Aegis of Unnat Bharat Abhiyan)" at IIT Delhi from 14th Sept, 2018 to 19th Sept, 2018.

- Attended a one day regional workshop for activities planning under Unnat Bharat Abhiyan (UBA) by participating institute for west Zone (Maharashtra) at IIT Bombay on 28th July, 2018.

- Attended a one week AICTE / ISTE sponsored Induction / Refresher programme on "Developing Multidimensional Competencies in Teachers" from 4th June to 9th June, 2018 at PES's Modern College of Engineering, Pune.

- Attended a one day Unnat Bharat Abhiyan Orientation Workshop at AICTE, New Delhi on 25th April 2018.

- Attended a two days SPIC MACAY Volunteers meet and convention from 20th January, 2018 and 21st January, 2018 at DPS, Pune.

- Attended a two week FDP on "Competitive Manufacturing Technologies" at Department of Mechanical Engineering of Amrutvahini College of Engineering, Sangamner from 11th December, 2017 to 22nd December 2017

- Attended a two days AICTE sponsored FDP on "Indian Patent Drafting and Filing Procedure" at Department of Computer Engineering of Dr. D Y Patil School of Engineering and Technology, Pune on 8th and 9th November, 2017.

- Attended a CII conference on Manufacturing Excellence held on 24th February 2017 at Taj Vivanta, Aurangabad.

- Participated as an Exhibitor in exhibitor at i2 Pavilion (Industry Institute Interaction Pavilion) at IMTEX 2017, Bangalore from 26th Jan, 2017 to 1st Feb, 2017.

- Attended a four days Training for Intermediaries Fostering Innovation in SMEs: Enabling Services and Tools at National Institute for Micro, small and Medium Enterprises (ni-msme), Hyderabad from 29th Nov, 2016 to 2nd Dec, 2016.

- Attended a two days workshop on Internet of Things and Analytics on 10th Nov, 2016 to 11th Nov, 2016 at IGTR, Aurangabad.

- Attended a three days National Teachers' Congress at MIT, Pune from 23th Sept, 2016 to 25th Sept, 2016.

- Attended a two week STTP on "Modelling and Simulation" from 7th Dec, 2015 to 18th Dec, 2015 at Goa College of Engineering, Goa.

- Attended a one week workshop on "Outcome Based Education Curriculum design" from 9th Feb, 2015 to 13th Feb, 2015 at YASHADA PUNE.

- Attended a Second phase of two days training on Gurukul for Gurus "Emotional Intelligence" from 4th Feb, 2015 to 5th Feb, 2015 at MIT, Aurangabad.

- Attended a first phase of two days training on Gurukul for Gurus "Emotional Intelligence" from 17th Oct, 2014 to 18th Oct, 2014 at MIT, Aurangabad.

- Attended a three days workshop on "Statistics for Engineers" from 4th Dec, 2014 to 6th Dec, 2014 at Cummins College of Engineering for Women, Pune.

- Attended a One week workshop on "Outcome Based Education" at Rajarambapu Institute of Technology, Sakhrale, Sangli from 23rd June, 2014 to 27th June, 2014.

- Attended a three Days workshop on "Creative Design and Rapid Product Development Technologies" at NIT, Warangal from 29th Jan, 2014 to 31st Jan, 2014.

- Attended a one Day seminar on "Six Sigma Decision Analysis and effective Task Management" at VITS, Aurangabad on 10th Aug, 2013.

- Attended a two Day seminar on "Simulation and Modeling in Manufacturing and Service Industry" at K. K. Wagh Institute of Engineering and Education and Research, Nashik (MS) from 1st March, 2013 to 2nd March, 2013.

- Attended a two week short term training program on "Engineering Thermodynamics" at Marathwada Institute of Technology, Aurangabad. (11th Dec, 2012 to 21st Dec, 2012).

- Attended XII ISTE (Maharashtra Goa Section) Convention and Seminar held at JSPM Group of Institutes, Wagholi, Pune from 12th Jan 2008 to 13th Jan, 2008.

- Attended a one week short term training program on "Computer Integrated Product Design" at SSGMCE, Shegaon. (4th Jan, 2007 to 8th Jan, 2007).

- Attended a one day Workshop on "Nano Technology" at JNEC, Aurangabad. (3rd Jan, 2007)

- Attended a workshop on "Advanced Webpage Design and Multimedia" at MIT, Aurangabad. (16th July, 2006 to 26th July, 2006)

- Attended a short term training program on "Mechatronics" at VNIT, Nagpur. (3rd Jan, 2005 to 14th Jan, 2005)

- Attended a short term training program on "Entrepreneurship Development Programme" at MITCON, Mumbai. (9th Dec, 2004 to 22nd Dec, 2004)

- Project Training at Godrej & Boyce Mfg. limited, Mumbai for duration of July 2002 to December 2002.

- In plant training at Greaves limited, Aurangabad during July 1999 to August 1999.

Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference organized

- Organized workshop on "Assessment and Evaluation in Online Mode" by Dr. Surendra Rathod, Professor, Electronics Engineering Department, Sardar Patel Institute of Technology Mumbai at 3.15 pm on 15th January, 2022.

- Organized workshop on "Examination Reforms" by Dr. Vinay Kulkarni, Associate Professor, Mechanical Engineering Department, DY Patil College of Engineering, Akurdi, Pune at 3.30 pm on 12th February, 2022.

- Organized an Impact Series webinar on "Innovation and Entrepreneurship" under Institution's Innovation Council funded by MOE's Innovation Cell, AICTE on 8th November, 2021.

- Organized an Impact Series webinar on "Intellectual Property Rights" under Institution's Innovation Council funded by MOE's Innovation Cell, AICTE on 16th October, 2021.

- Organized a seminar on "Curriculum Design and other aspects of Autonomy" by Prof. Dr. B. N. Chaudhari, Principal, Sardar Patel Institute of Technology, Mumbai delivered on 8th October, 2021.

- Organized a Webinar on "Implementation of Autonomy - RIT Case Study" by Prof. Dr. Sushma Kukarni, Director, RIT Sakhrale on 4th October, 2021.

- Organized a Professional Development Program (FDP) for Non-Teaching Staff in association with IQAC and Administrative Office, Deogri College, Aurangabad on 22nd September 2021

- Organized a one day FDP on "Impact Analysis: Organization of Outcome based activities" in association with IQAC, Deogri College, Aurangabad on 31st July 2021

- Organized a one day workshop on Outcome Based Education by Dr. Vithhal Bandal, Principal, Government Polytechnic, Pune and Dr. PJ Pawar, Professor, KK Wagh COE, Nashik on 29-05-2021.

- Organized one day workshop on 'Wet waste composting /biogas generation' on 8th January 2021 in association with CTARA, IIT Bombay, Mumbai.

- Organized 10 activities pertaining to entrepreneurship, Stat-up, IPR in association with various departments during December 2020 and January 2021.

- Organized a Webinar on "Industry 4.0 from SME Perspective" by Mr. Anand Laxshmivarahan R, Group Chief Digital Officer and ExCo Member – Vedanta & Cairn Oil & Gas on 2nd August, 2020.

- Organized a two weeks Online Faculty Development Programme on Effective use of ICT Tools in Teaching-Learning from 22nd June, 2020 to 4th July, 2020 at Maharashtra Institute of Technology, Aurangabad.

- Organized a three days online International Technical Symposium on "opportunities & challenges in Industry 4.0 " supported by GIZ MSME INNO Project from 15th June, 20220 to 17th June, 2020.

- Organized a Webinar on "To be ready for NEET/JEE/MHTCET" by Shri. Pradip Giri, Chairman, Giri Sir's Gurukul Classes on 24th May, 2020.

- Organized an Interactive online session on "How to Prepare for NBA" by Dr. Vithal Shrirang Bandal, Government Polytechnic, Pune on 9th May, 2020.

- Worked as an organizing committee member for One Day Regional Workshop on "Orientation of Participating Institutes to initiate works in Adopted Villages Clusters (Unnat Bharat Abhiyan 2.0)" organized by Regional Coordinating Institute, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad at university Campus on 1st February, 2020.

- Organized a two days workshop in association with CTARA, IIT Bombay on "Analysis of Infrastructure for Energized Irrigation" from 27th January, 2020 to 28th January, 2020.

- Worked as an organizing Secretary for one day workshop on "Revised NAAC Methodology" organized at Maharashtra Institute of Technology on 27th June, 2019.

- Worked as an organizing committee member for One Day Regional Workshop on "Orientation of Participating Institutes to initiate works in Adopted Villages Clusters (Unnat Bharat Abhiyan 2.0)" organized by Regional Coordinating Institute, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad at university Campus on 7th July, 2019.

- Worked as a Coordinator for Faculty Development Programme (FDP) in "Data Sciences" jointly organized with Shivaji University, Kolhapur from 24th June 2019 to 29th June 2019 at MIT, Aurangabad.

- Worked as a subject expert for the interviews of Assistant Professor in Mechanical Engineering held at MGS's Jawaharlal Nehru Engineering College, Aurangabad on 12th June, 2019.

- Organized a one day ideation workshop on "Skill Development and Entrepreneurship Training Programs for tribal youths of Dhule and Nandurbar" association with CTARA, IIT. Bombay and Tribal Research and Training Institute, Pune on Tuesday, 4th June, 2019 at Dhule.

- Organized a one day meeting/workshop on "Industry Academia Consortium on Smart Manufacturing (IndAC-SM)" under Academia Partnership Program (IAPP) of Royal Academy of Engineering, London" at Maharashtra Institute of Technology, Aurangabad on 21st May, 2019.

- Organized an Expert Talk on "Entrepreneurship and Start-ups" by Shri. Prasad Kokil (Director, MAGIC and Owner Sanjay Technoplast Pvt. Limited) at Maharashtra Institute of Technology, Aurangabad on 11th April, 2019.

- Conducted a one day Kick-off Meeting for Skill Development for Tribal Youth in association with CTARA, IIT Bombay and TRTI, Pune on 28th March 2019 at MIT, Aurangabad.

- Worked as a Member of Organizing Committee for a University Level Research Competition "AVISHKAR 2018" organized at Dr. Babasaheb Ambedkar Marathwada University from 3rd and 4th Jan, 2019.

- Worked as a District and College coordinator for a District Level Research Competition "AVISHKAR 2018" organized at Dr. Babasaheb Ambedkar Marathwada University from 11th Dec, 2018.

- Worked as a Convener for two days Workshop on "Intellectual Property Rights" in association with Marathwada Accelerator for Growth and Incubation Council, CMIA held at Maharashtra Institute of Technology, Aurangabad on 21st December and 22nd, December, 2018.

- Organized a Half Day Workshop on "Cognitive Skills, Design Thinking and Critical Thinking" on 30th November, 2018 through Institution's Innovation Council at MIT, Aurangabad.

- Organized an Expert talk by Mr. Rohaan Goswami (COO and Director of Product of Ycenter India) on "From elephants to United Nations: Journey of an Entrepreneur" in association with Marathwada Accelerator for Growth and Incubation Council, CMIA held at Maharashtra Institute of Technology, Aurangabad on 5th Oct, 2018.

- Organized One day NGO workshop in association with Rural Technology Action Group (RuTAG), IIT, Bombay held at Maharashtra Institute of Technology, Aurangabad on 25th September, 2018.

- Worked as a Co-convener for one week faculty development programme on "Outcome based education and NBA Process" at Maharashtra Institute of Technology, Aurangabad (MS) from 9th July, 2018 to 14th July, 2018.

- Worked as a Convenor for two days follow-up workshop for Jal Yukta Shivar Assessment under Unnat Maharashtra Abhiyan organized in Association with Centre for Technology Alternatives for Rural Areas (CTARA), IIT Bombay at Maharashtra Institute of Technology, Aurangabad on 5th and 6th July, 2018.

- Worked as a Co-convener for a Two Days Workshop on "Intellectual Property Rights and Opportunities for funded research" at Maharashtra Institute of Technology, Aurangabad (MS) from 5th to 6th January, 2018.

- Worked as a Member of Organizing Committee for a University Level Research Competition "AVISHKAR 2017" organized at Dr. Babasaheb Ambedkar Marathwada University from 24th to 25th Dec, 2017.

- Organized a two days' workshop on "Outcome Based Education" at Maharashtra Institute of Technology, Aurangabad on 4th and 5th December, 2017.

- Organized a one day Unnat Maharashtra Abhiyan (UMA) Orientation Workshop for Private Colleges in Association with Centre for Technology Alternatives for Rural Areas (CTARA), IIT Bombay at Maharashtra Institute of Technology, Aurangabad on 19th August, 2017.

- Worked as a judge for Quality Circle forum of India (QCFI) event at JNEC, Aurangabad on 15th July, 2017.

- Organized a "Shehnai Concert" by Sanjeev and Ashwani Shankar accompanied by Shon Patil on Tabla on Friday, 20th Jan, 2017 at Seminar Hall, MIT, Aurangabad.

- Worked as an Expert for one day workshop on "Implementing Grade and Credit System" at Deogiri Institute of Engineering and Management Studies, Aurangabad on 28th Dec, 2016.

- Worked as a Member of Organizing Committee for a University Level Research Competition "AVISHKAR 2016" organized at Dr. Babasaheb Ambedkar Marathwada University from 27th to 28th Dec, 2016.

- Exhibited at a two days "Technology Meet 2016" at Marathwada Auto Cluster, Aurangabad from 16th Nov, 2016 to 17th Nov, 2016.

- Organized a District Level Research Competition "AVISHKAR 2016" in association with Dr. Babasaheb Ambedkar Marathwada University at MIT, Aurangabad on 5th Nov, 2016.

- Organized a one week National Level STTP on "Modelling and Simulation" from 27th June, 2016 to 2nd July, 2016 at MIT, Aurangabad.

- Organized a Dhrupad Cello concert by Nancy Lesh Kulkarni accompanied by Pandit Manik Munde on Pakhawaj on Tuesday,27th Oct, 2015 at Pt. Gopal Nayak Open Air Theater.

- Worked as a Co-convener for a two days workshop on "Characterization and Surface Engineering" at MIT, Aurangabad on 9th April, 2015 to 10th April, 2015 at MIT, Aurangabad.

- Organized a North East Festival featuring Pung Cholam of Manipur and Purulia Chhau Dance of West Bengal on 20th Feb, 2016.

- Organized a two days workshop on Science Writing and Journalism at MIT, Aurangabad on 25/02/2015 to 26/02/2015 at MIT, Aurangabad.

- Organized a one day workshop on Outcome Based Education at MIT, Aurangabad on 10th Jan, 2015.

- Organized a one day workshop on Outcome Based Education at MIT, Aurangabad on 27th Sept, 2014 at MIT, Aurangabad.

- Worked as an organizing Secretary for "A Three Day Workshop Nanomaterials and Nanotechnology" at Maharashtra Institute of Technology, Aurangabad (MS) from 15th Sept, 2013 to 17th Sept, 2013.

- Worked as a Co-ordinator (Event Management) for "A Two Day Workshop on Reliable Welds-2013" at Maharashtra Institute of Technology, Aurangabad from 5th July, 2013 to 6th July, 2013.

- Organized a One day "Workshop on revision of the syllabus for Mechanical (T.E./M.E./M. Tech. CGPA)" at Maharashtra Institute of Technology, Aurangabad (MS) on 30th March, 2013.

- Organized an Expert talk on "Opportunities and Different Grants Available through DST" Maharashtra Institute of Technology, Aurangabad (MS) on 6th Feb, 2013.

- Organized a ½ Day Classle NPTEL workshop at Maharashtra Institute of Technology, Aurangabad (MS) on 17th January, 2013.

- Organized one day lecture series "EXPLORER 2009" at IIT Delhi on the theme of "Industry-Academia-Research interaction".

- Worked as an In-charge (Invitation, Printing and Prize Distribution Committee) for Annual Social Gathering "Kshitij 2K8" at MIT, Aurangabad on 29th ,30th and 31st March, 2008.

- Worked as an Office In-charge for ISTE State Convention organized at MIT, Aurangabad on 15th and 16th February, 2008.

- Worked as a Joint Organizing Secretary and In-charge (Printing Committee) for National Level Conference "Technomillennium 2007" organized at MIT, Aurangabad on 15th, 16th and 17th September, 2007.

- Worked as a Co-convenor for Entrepreneurship Development Workshop organized at MIT, Aurangabad on 5th, 6th and 7th April, 2007.

- Worked as a Coordinator for Entrepreneurship Awareness Camp organized at MIT, Aurangabad on 24th, 25th and 26th February, 2005.

Invited talks delivered/Session Chair/Expert

- Delivered Expert talks on "Industry 4.0 from Indian SME perspective" at one week FDP on "Industry 5.0: Next wave Technology" at Mechanical Engineering Department, Sandip University, Nashik on 11th January, 2022.

- Delivered Expert talks on "Industry 4.0" during FY B. Tech. Student Induction Program at Deogiri Institute of Engineering and Management Studies, Aurangabad on 28th December, 2021 and 31st December, 2021.

- Delivered a Seminar on Career Guidance at Marathawada Institute of Technology (Polytechnic), Rotegaon, on 20th August, 2021.

- Invited as a Subject Expert for new recruitment interviews 2020-21 at MGM University JNEC, Aurangabad on 23rd Feb, 2021.

- Worked as a Resource person for Qualitative Aspects of NAAC at Mahatma Gandhi University of Medical Sciences and Technology, Jaipur on 20th January 2021.

- Worked as a NAAC expert and resource for visit at Government Institute of Forensic Sciences, Aurangabad, Chetna Sanstha's Art College, Swangi, MPS Mandal's Chh. Sahuhu College, Lasur under UGC's Scheme Paramarsh on 23rd , 24th and 29th December, 2020.

- Worked as a Conference Chair for Virtual International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing (ICSIDEMPC 2020) on 30-31 October, 2020 at MGM University JNEC, Aurangabad.

- Worked as a NAAC expert and resource for visit at Shivchatrapati College Pachod under UGC's Scheme Paramarsh on 5th November, 2020.

- Delivered a webinar on "CO-PO-PSO Design, Mapping and Attainment" in one day workshop on Teaching, Learning and Evaluation: Addressing the Qualitative Metrics under Paramarsh at Deogiri College, Aurangabad on 5th, October, 2020.

- Delivered a Webinar on "CO-PO Mapping and Attainment" at Jawaharlal Nehru College of Engineering, Aurangabad on 3rd, July, 2020.

- Invited as a Subject Expert for performance assessment interview 2019-20 at MGM University JNEC, Aurangabad on 16th June, 2020.

- Conducted Two days' Workshop on Outcome Based Education and delivered a talk on "Importance of Outcome Based Education (OBE) in NAAC and NBA Accreditation" and

"Assessment and Evaluation" on 14th and 16th January, 2020 at CSMSS, Chhatrapati Shahu College of Engineering, Aurangabad.

- Worked as a judge for University level AVISHKAR 2019 organized at Dr. Babasaheb Ambedkar Technological University, Lonere on 3th January, 2020.

- Worked as an Auditor for NAAC audit conducted at CSMSS, Chh. Shahu College of Engineering, Aurangabad from 23rd and 24th December, 2019.

- Delivered an expert talk on "Outcome Based Education" in TEQIP sponsored one day Seminar on "Effective Teaching and learning in OBE and life skills for engineers" Poojya Doddappa Appa College of Engineering, Gulbarga on 18th March, 2019.

- Delivered an Expert talk on "Choice Based Credit and Grading System" at Marathwada Institute of Technology, Aurangabad on 24th Jan, 2017.

- Delivered an Expert talk on "Choice Based Credit and Grading System" at Chhtrapati Shahu Maharaj College of Engineering, Aurangabad on 5th Jan, 2017.

Projects, Research Grants and Consultancy

1. Henrich Herts Schule, Germany and Maharashtra Institute of Technology in association with TATA Technologies CSR Program "Ready Engineer," and MASSIA together to provide an Industry 4.0 practical course for the Third Year students through experts from Germany and India. (Financial Assistance: Rs. 2.50 Lakhs for 10 Projects)

2. Received Consultancy of Third-Party Evaluation of Cement Nala Band (CNB) work under Jalyukta Shivar Abhiyan(JSA) during the year 2018-19 in Aurangabad District (Total Works Cost: 27.92 Crore; Consultancy: 0.50 %), Consultancy received: 13.96 Lakhs.

3. Working as an Industry Cell Coordinator for MASSIA MSME project competition for 12 live projects in Academic Year 2021-22. Total Grant sanctioned: Rs.1.30 Lakhs.

4. Financial Assistance of Rs. 12,000 is sanctioned to Institution's Innovation Council by MoE's Innovation Cell, AICTE for Impact Series on innovation, IPR and start up.

5. Received a funding of Rs. 16.20 Lakhs for MIT MSME Innovation Lab under GIZ Inno Project in academic year 2020-21.

6. Grant of Rs. 1 Crore is sanctioned under MSME Ministry scheme for "Support of Entrepreneurial and Managerial Development of MSME's through Incubators". Under this scheme, assistance of Rs. 15 Lakh per idea shall be provided to the institute.

7. Working as an Industry Cell Coordinator for GIZ-MASSIA MSME innovative project competition for 40 live projects in Academic Year 2020-21. Total Grant sanctioned: Rs.5.40 Lakhs plus GST.

8. Carried out 17 industry live projects GIZ-MASSIA MSME innovative project competition in 13 industries in Academic Year 2019-20. Total Grant Received: Rs. 3.70 Lakhs plus GST (GIZ and Tata Technologies).

9. Carried out 22 industry live projects under GIZ-MASSIA MSME innovative project competition in 13 industries in Academic Year 2018-19. Total Grant Received: Rs. 4.08 Lakhs (GIZ and Tata Technologies).

10. Received a project "Industry-Academia Consortium for Digitization in Small and Medium Enterprises (SMEs)" in association with IIT Indore, IIT Bombay and Cambridge University, UK. Funding Agency: Royal Academy of Engineering, London, UK. Project Duration: 3 years (Starting from 1st April, 2019) Total grant sanctioned: £50,000.00.

11. Received consultancy work for Cement Nala Bund (CNB) audit evaluation work under Jalyukta Shivar Abhiyan for Year 2017-18 of Aurangabad District. Entered into MoU with Hon'ble Chairman, Jalyukta Shivar Abhiyan, Aurangabad District on 28th Feb, 2019. Approximate cost of the CNB work carried out is: 10.81 Crore. Consultancy received: Rs. 6,38,000.

12. Received project on "Technology Transfer for rural development" to be implemented in Tribal Ashramshalas on Pilot basis. The Project is carried out in three UMA institute in association with Centre for Technology Alternatives for Rural Areas (CTARA) IIT Bombay and Tribal Development Department, Government of Maharashtra. Total Grant Allocated for the Project: Rs.39.99 Lakhs.

13. Received funding of Rs. 50,000 under Unnat Bharat Abhiyan from IIT Delhi on 5th Sept, 2018.

14. Received Grant-in-aid of Rs. 50,000 from Science and Engineering Research Board (SERB) for organizing National Workshop on "Modeling and Simulation" held during 27 June-02 July, 2016.

Intellectual Property Rights

Copyright granted for "Academic Course File Based on Outcome Based Education (OBE)" on 1st Oct, 2020 (Registration Number: L-95249/2020)

List of Research Publications

Papers in National/ International Journal

- Ingle, V.A., Ambad, P.M., 2021, CvDeep-COVID-19 Detection Model. SN Computer Science, Vol. 2, Issue 145, pp. 1-16.

- Karwande, R. L., Bhosle, S. P., Ambad, P. M. and Rath, S., 2020, "Six Sigma Approach for Indian Manufacturing Industry", Journal of Advanced Research in Dynamical & Control Systems, Vol. 12, 07-Special Issue, pp. 2469–2474.

- Toksha B. G., Kulkarni, T. P., Lomte, S. V., Ambad, P. M. Sable, G. S., Kulkarni, K. B. and Bhosle S. P.,2019, "Training through Blended Mode in ICT for Effective Teaching Learning Process", Chronicle of Humanities and Cultural Studies, Vol. 5, Issue 1, pp. 119-121.

- Nemane, P. and Ambad P. M.,2019, "Optimization of cylindrical grinding process parameters for heat treated SAE 52100 steel to enhance product quality by improving surface finish and roundness", **Accepted**, Udyog Pragti.

- Vaidya, M. A. and Ambad P. M., 2018, "Investigation of the influence of heat treatment on the cutting condition for AISI D2", Advances in Manufacturing Science and Technology, Vol. 1, Issue 1, pp. 97-105.

- Karwande, R. L., Bhosle, S. P., Ambad, P. M. and Rath, S.,2018 "Implementing Six Sigma for Manufacturing Sector in India- a Model based on a Steel Industry", *Industrial Engineering Journal. ,* Vol. 9, Issue 8, pp. 20-34.

- Vaidya, S., Ambad, P. M. and Bhosle, S.P., 2018, "Industry 4.0–A Glimpse", *Procedia Manufacturing*, Vol.20, pp. 233-238.

- Lomte, R. U., Bhosle, S. P., Ambad, P. M., & Gaikwad, R. A., 2018, "Reliability Improvement for TSR Machine of Banburry Mixer using Plant Optimization Process", *Procedia Manufacturing*, Vol. 20, pp. 440-445.

- Ambad, P. M. and Kulkarni, M. S., 2017, "A Goal Programming approach for multi-objective warranty optimization", *International Journal of Systems Assurance Engineering and Management*, Vol. 8, Issue 4, pp. 842-861.

- Dongare N. S. and Ambad P. M., 2016 "Multi-agent System: An Overview and Future Research", *Industrial Engineering Journal,* Vol. 9, Issue 2, pp. 34-40.

- Ambad, P. M. and Kulkarni, M. S., 2015, "A warranty based bilateral multi-issue negotiation approach", *Benchmarking: An International Journal,* Vol. 22, Issue 7, pp.1247-1280.

- Ambad, P. M. and Kulkarni, M. S., 2015, "An attractiveness index based approach for warranty optimization", *International Journal of Reliability and Quality Management,* Vol 32, Issue 4, pp.415 - 431.

- Bansode U. V. and Ambad P. M., 2015, "Improving Effectiveness of Plant and Equipment by Implementing Total Productive Maintenance (TPM)", *Industrial Engineering Journal,* Vol. 8, Issue 5, pp. 24-31.

- Ambad, P. M. and Kulkarni, M. S., 2013, "A methodology for design for warranty with focus on reliability and warranty policies", *Journal of Advances in Management Research*, *Vol. 10, Issue 1, pp. 139-155.*

Chapter in Book

- Vaidya S., Bhosle S., Ambad P. (2020) DMAIC Approach to Improve Carbon Weighing Compliance of Banburry Machine. In: Iyer B., Deshpande P., Sharma S., Shiurkar U. (eds) Computing in Engineering and Technology. Advances in Intelligent Systems and Computing, Vol 1025. Springer, Singapore

- Pankade S.B., Ambad P.M., Wahane R., Gogte C.L. (2019) Effect of the Post-weld Heat Treatments on Mechanical and Corrosion Properties of Friction Stir-Welded AA 7075-T6 Aluminium Alloy. In: Dixit U., Narayanan R. (eds) Strengthening and Joining by Plastic Deformation. Lecture Notes on Multidisciplinary Industrial Engineering. Springer, Singapore

Papers in International Conference Proceedings

- Ramdasi, A., Bhosle, S.P. and, Ambad, P. M., 2019, "Productivity Enhancement through Waste Reduction using FMEA Technique for Plastic Injection Molding", International Conference on Mechanical, Manufacturing, Industrial and Civil Engineering (ICMMICE), Pune, Maharashtra, India, July 21, 2019.

- Vaidya, S., Ambad, P. M. and Bhosle, S.P., 2019, "DMAIC Approach to Improve Carbon Weighing Compliance of Banburry Machine", 4th International Conference on Computing in Engineering and Technology (ICCET), Aurangabad, Maharashtra, India, January 9-11, 2019.

- Wahane, R., Ambad P. M. and Patil S. S. , 2016, "Effect of the Post Weld Heat Treatments on Mechanical and Corrosion Properties of Friction Stir Welded AA 7075-T6 Aluminium Alloy", 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), College of Engineering, Pune, Maharashtra, INDIA, December 16-18, 2016.

- Ambad, P.M. and Kulkarni, M.S., "Warranty Logistics Issues in Auto Engine Industry", 2011 IEEE International Conference on Quality and Reliability, Bangkok, Sept 14 - 17, 2011, pp. 135-140.

- Ambad, P.M. and Kulkarni, M.S., "A conceptual framework for product design for warranty with focus on reliability, warranty policies and maintenance plans", Ninth Global Conference on Flexible Systems Management, NITIE, Mumbai, Nov 12 - 14, 2009.

Papers in National Conference Proceedings

- Nemane, P. and Ambad P. M., "Optimization of cylindrical grinding process parameters for heat treated SAE 52100 steel to enhance product quality by improving surface finish and roundness", National Conference on Industrial Engineering & Technology Management (NCIETM 2018), Nov 30 – Dec 1, 2018, NITIE, Mumbai, Maharashtra, India

- Deshpande M., Ambad P.M., Kulkarni S., Sonar H. and Khanzode V., "Quality Comparison of Additive Manufacturing and Reverse Engineering", Proceedings of 3rd National Conference on Recent Trends in Mechanical Engineering (NCRTME – 2018), June 21-22, 2018, Walchand College of Engineering, Sangli, Maharashtra, India

- Wahane, R., Ambad P. M. and Patil S. S. , "Friction Stir Welding - Effect of Post weld heat treatment on AA7075 aluminium alloy - A review", in National Conference on Advances in Materials Processing and Characterization (NCAMPC-2016), NIT, Warangal, 4th - 6th January 2016.

- Ambad, P.M. , Zine, P.U. and Andhale, S.R. "Hybrid Serial/Parallel Engineering", Advance in Manufacturing in the Era of Globalization (AMTEG 2005), PIET, Pune, Jan 21- 22, 2005.

- Ambad, P.M. and Zine, P.U., "Mechatronics: an Applications in Automotive", in National Conference (TsyGeca06), GEC, Aurangabad, Jan 23-24, 2006.

MOOC Certification

NPTEL Certification

Start Date	End Date	Duration (in Weeks)	Course Name	Marks (Out of 100)	Performance
27, Jan 2020	22, April 2020	12 Weeks	NBA Accreditation and Teaching - Learning in Engineering (NATE)	79	Elite Silver
29 Jul, 2019	18 Oct, 2019	12 Weeks	Soft Skills	79	Elite Silver (Top 5 %)
29 Jul, 2019	20 Sept, 2019	8 Weeks	Teaching and Learning in Engineering (TALE)-II	75	Elite Silver
25 Feb, 2019	22 Mar, 2019	4 Weeks	Teaching and Learning in Engineering (TALE)-I	77	Elite Silver
28 Jan, 2019	19 Apr, 2019	12 Weeks	Introduction to Industry 4.0 and Industrial Internet of Things	61	Elite Silver
5 Feb, 2018	30 Mar, 2018	8 Weeks	Enhancing Soft Skills and Personality	86	Elite

Coursera Certification

Duration (in Weeks)	Date of Completion	Course Name	Offered by
7 Weeks	05th July, 2020	Python Data Structures	University of Michigan

6 Weeks	22nd June, 2020	Probability and Statistics: To p or not to p?	University of London
7 Weeks	26th June, 2020	Programming for Everybody (Getting Started with Python)	University of Michigan

Awards, Achievements and Recognition

- Institute is recognized in the band "Performer" under the category of "Colleges/Institutes (Private / Self-Financed) (Technical)" in ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS (ARIIA) (First Time Participation).

- Institute received 3.5 Star under INSTITUTION'S INNOVATION COUNCIL (IIC) established as per the guidelines of Ministry of Education's Innovation Cell (MIC). Institute has conducted about 30 activities under IIC pertaining to Innovation, Entrepreneurship, Start-up, etc.

- Received "Young Achievers Award" from Rotary International District 3030 Presidents Enclave Jalgaon Rural on 13th April, 2021.

- Received "Third Prize" for the research project presented representing Maharashtra Institute of Technology, Aurangabad at i2 Academia Pavilion (Industry Institute Interaction Pavilion) of "IMTEX 2017" at Bangalore International Exhibition Centre (BIEC), Bangalore.

- Paper Published in Journal of Advances in Management Research has selected as a 2014 Highly Commended paper award by the journal's Editorial Team.

- Received recognition as Ph.D. Research Guide in the subject of Mechanical Engineering under the faculty of Science and Technology.

- Worked as a Chairman for Internal Defence of M.E. (Manufacturing) and M.E. (Embedded Systems).

- Ph.D. Scholarship, Ministry of Human Resource Development (MHRD), Indian Institute of Technology Delhi, India.

- CSIR and IRD Grant for attending IEEE International Conference at Bangkok, Thailand.

- Working as a reviewer for International Journal of Quality and Reliability Management, International Journal of Production Research, International Journal of Systems Assurance Engineering and Management, Benchmarking: An International Journal, International Journal for performability Engineering.

- ◆ GATE Scores (89.90 percentile score in 2001; Score 341 in 2008).

Date: 22-05-2022

Place: Aurangabad