

Dr. Milind Pande, *Pro-Vice Chancellor*

MIT World Peace University, Pune, India

Post-Doctoral Research Fellow, Telecom Technology Transfer Post-Doctoral Fellow, Ph. D., MBA, ME, MPM

Email: milind.pande@mitwpu.edu.in

Phone-: +91 (020) 25703640, 9921094868

Web: www.milindpande.com



Synopsis:

1. Dr. Milind Pande, Pro-Vice Chancellor, MIT World Peace University, Pune, India, a dedicated Professional with 30 years of Academic Experience. A recipient of a Post-Doctoral Fellowship by the Ministry of HRD, Govt of India, in Telecom Technology Transfer. He is also recipient of Rotary International Peace Fellowship by USA.
2. He has to his credit two Ph.D one in Management (International Business) and other in Electronics and Telecommunication (Wireless Technology). This elite educationist is an oracle of Technology Transfer, Mobile-Education, Mobile-Agriculture, Mobile-Health, Smart Sensing networks & ICT Innovations.
3. Under his leadership MIT School of Telecom management consistently ranked twice amongst the top 50 in NIRF (Management category) across India.
4. He has authored a world class textbook on Mobile Communications, “Next Generation Mobile Communications - McGraw Hill Publication.
5. Recipient of Five Indian Design Patents and Three International Patents. Developed more than Five products in the area Mobile Agriculture, Mobile Health, Mobile Education and many more. Published 50+ Research Papers in International Conferences and Journals. Under his able guidance 20+ Candidates have been awarded PhD degree. 15+ Foreign Visits for University Collaborations.
6. He has conceptualized and established MIT-Technology Business Incubator. The chief convenor of Hackathon from the inception & convenor of Robocon (National Robotic Contest) for more than a decade. Conceptualizer of The Annual Innovation Conclave – RIDE22 (Research - Innovation – Design - Entrepreneurship) with a mentoring of 8000+ students for the innovation summit.

Research and Academic Contribution:

Achievement: National & International

- Patent Regarding: Awarded Six International Patents & Four Indian Patents.
 - **International Innovation Patent Number: 2021106275:** “A Zone Specific Weather Monitoring System.”
 - **International Innovation Patent Number: 2021106258:** “A System for managing and automating activates pertaining to human resource Management.”

- **International Innovation Patent Number: FA/08392/mum/2022:** System and Method for Generating and Displaying Personalized Television Content
 - **International Innovation Patent Number: FA/08359/mum/2022:** System and Method to Detect Twitter Spam Using an Intelligent Hybrid Classifier Approach
 - **International Innovation Patent Number: FA/08313/mum/2022:** System and Method to Develop a Human-Computer Interaction Based User Interface for Facilitating Musical Instrument Rentals.
 - **International Innovation Patent Number: FA/08302/mum/2022:** System and Method to Intelligently Display or Suspend Social Media Notifications using Explainable Artificial Intelligence (AI) and Human Computer Interaction (HCI).
 - **Indian Patent Application Number: 81/MUM/2014*:** “H2E2: Wireless Sensor Network (WSN) Green Platform for Precision Agriculture”.
 - **Indian Design Patent Number:349966-001:** “EEG (Electro Encephalo Graphy) integrated XR (Extended Reality)”
 - **Indian Design Patent Number:350362-001:** “Arm Massager using Compressed Air (SET)”
 - **Indian Design Patent Number:350363-001:”** Leg Massager Using Compressed Air (SET)”
- Founder Member of MIT Incubation Centre, Pune, India (MIT- Technology Business Incubator)
 - Chief Initiator of MITWPU Hackathon for last Five Years.
 - Convener - MITWPU Innovation Conclave – RIDE, ABU ROBOCON and Skill Development Program etc.
 - Member, Telecom Advisory Council, Ministry of IT & Telecom, Govt. of India, New Delhi
 - Member, UGC Expert Committee, Govt. of India, New Delhi
 - Member Assessor, NAAC Committee, MHRD, Govt. of India, Bangalore
 - Former Brand Ambassador for Digital India Campaign, Govt. of India, New Delhi

R&D - Product Development:

Dr. Milind has been instrumental developing the social product. He believes that technology cannot only bring comfort but also help in uplifting the rural masses. With this vision in mind, he has developed social products in healthcare, agriculture, and education sector in last Six years.

- **M-Agri System:** A mobile based application which helps farmers to get information about crops, soil condition, weather condition, where data is stored, updated, and broadcasted at regular intervals. Through Hybrid Hexagonal Energy Efficient (H2E2) Wireless Sensor

Network (WSN) platform precision agriculture by covering maximum area in minimum sensors, increased energy efficiency, network lifetime and reducing cost is possible.

- **Mobi Tech:** It is a mobile education technology which helps to educate rural masses through Mobile Internet Device (MID). Pre-configured MID has classroom sessions for class 5th and 10th standard students where a child can learn on his own.
- **Mobile Attendance:** Mobile Based attendance system developed on Android platform using WiFi or cellular network in campus to mark the attendance and this intelligent system authenticates the student in the provided classrooms or seminar halls.
- **Mobile Health:** An application named EasyPatho working on android platform takes microscopic image of blood as an input, provides report as an output and these reports can be easily send to doctors and patients anywhere in the world.
- **Highway Traffic Management System (HTMS)** deals with crucial issues like speed control, accidents and emergency support on the highways and this will be effectively used for monitoring weather, incident detection, video surveillance, classification of vehicles sizes and count using IR based non- intrusive sensors. Evaluation of the impact on national prosperity of this work and economic gains and other benefits derived.

Research Project Grants:

- Research Project “**Impact of ICT facilities on Rural Education in Backward Regions**” (A study in the context of BPL families in Marathwada and Vidarbha regions of Maharashtra State) got sanction of **Rs. 10 Lacs** from (ICSSR), **Ministry of HRD, Govt. of India, New Delhi.**
- Research Project “**Regional Study of Telecom Technology Options for Indian Rural Education**” got sanction of **Rs. 20 Lacs** from (ICSSR), **Ministry of HRD, Govt. of India, New Delhi.**

Honors:

- **Member, UGC Expert Committee, Govt. of India, New Delhi.**
- **Member Assessor, National Assessment and Accreditation Council (NAAC) Committee, MHRD, Govt. of India, Bangalore.**
- **Joint Secretary General, Organizing Committee, World Parliament 2018 to 2022.**
- **Convener - ABU ROBOCON India. (Robotics contest)**
- **Member, Telecom Advisory Committee for Pune Telecom District, BSNL- by Ministry of IT and Telecom, Government of India Maharashtra, New Delhi for six years.**
- **Chief Convener, “Smart India Hackathon” MIT Group of Institutions, Pune, India (Conceptualized by MHRD, Govt of India)**

- **Special Jury**, Selection Committee for “**Accenture Innovation Challenge Award**”, Bangalore, India.
- Gave a ‘**Leadership Talk**’ on ‘**Automotive TELEMATICS: Trends in Automotive Telematics: The race to Safety – Insurance Telematics**’ at Telematics India, organized by Telecom Wire.
- Participated as a Panelist in at **CommunicAsia, Singapore** for Panel Discussion titled as Emerging Markets: Incredible India.
- Delivered a talk on **National Telecom Policy 2011** and Opportunities for Global Investors in Manufacturing, R&D and Value-Added Services **CommunicAsia2012**, Marina Bay Sands, Singapore.
- Participating member of **National education policy 2019** at **NAAC Bangalore**

Awards:

- Received Prestigious **Audyogik Samshodhan Vikas Kendra (VASVIK) Industrial Research Scientist Award** in the category of Information and Communication Technology (2021).
- Received Honorable **Dr. Abdul Kalam Gold Medal for research fellowship**
- Received ‘**Cyber Crime Helpline award 2016**’ for caliber & Commitment from ‘**Cyber Crime Helpline, Pune, India.**
- Awarded for '**Recognizing Excellence in Education**' in **Concern 2012 –by ASSOCHAM and Bal Bharti Academy, New Delhi India**, Awarded for his contribution towards the '**Education Development in Rural India** of the Year 2011-2012.
- Received the Best "**Business School Leadership Award**" from the Prestigious 19th Dewang Mehta Business School Awards, 2011 in recognition of leadership, development, innovation & rural projects undertaken in the field of telecommunication business on 26th November 2011.
- Awarded with “**Accredited Management Teacher**” (AMT), in the area of ‘**Management of Technology and Innovation**’, by **All India Management Association (AIMA)** in the Silver Jubilee Year of AIMA in 2010. **Registration No.: AMT3/11/10.**
- Received an Award “**Ideal Teacher**” at the auspicious hands of Hon’ble Minister for Finance and Planning, Govt. of Maharashtra.
- Received an Award “**Jewel in the Crown of MIT**” at the auspicious hands of Hon’ble Minister for Home Affairs, Govt. of India, in the august presence of Hon’ble Padma Bhushan Dr. Vijay P. Bhatkar, Father of Supercomputers, Former Executive Director of C-DAC.

Academic Experience Highlights and Employment History:

- Working as **Pro-Vice Chancellor**, MIT World Peace University (till date)
- Worked as **Dean(R&D)**, MIT World Peace University.
- Worked as **Professor and Director** of MIT School of Telecom Management, Pune, India.
- Worked as **Professor** in MBA Dept. of MAEER's MIT, Pune, Maharashtra, India
- Worked as **Assistant Professor** in E &TC Dept. of MAEER's MIT, Pune, Maharashtra, India
- Worked as **Training and Placement Officer** in Engineering and MBA Department of Shri Sant Gajanan Maharaj College of Engineering, Shegaon, Maharashtra, India.

Book Publications:

- Dr. Milind has written a World Class Textbook on **Mobile Communications** with core focus on Indian Telecom ecosystem in collaboration with Prof Rishi Kappal. The book, titled, **Next Generation Mobile Communications-Mobile, Infra Technology, Management, Data'** is published by **McGraw Hill Education**.
- Written a world class book chapter entitled '**Application of Cohort Intelligence Algorithm for Numerical Integration'** published in Intelligent Systems and Application Select Proceedings of ICISA 2022, a **Springer Publication**.

Qualifications:

- **Ph. D. in Engineering** in **Electronics & Telecommunication**, 'Design & Development of some energy efficient wireless sensor network for precision Agriculture.
- **Ph. D. in Business Management (International Trades)**.
- **Post Doctorate Research Fellowship** from (ICSSR), Ministry of HRD, Govt. of India, New Delhi.
- **Rotary International "Peace Fellowship"** at Bangkok, Thailand.
- Completed **Executive Program** of IIM Ahmedabad on '**Innovating for Excellence: Program for Leaders in Management Education.**'

Research Areas:

Health Care Technology Management, Education Technology Management, ICT Innovations in Rural Education, Smart Sensing Networks, International Business, M-Agriculture, M-Health, M-education.

Approved Ph. D. Guide for Universities:

- Savitribai Phule, Pune University, Pune
- MIT World Peace University, Pune
- Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

- Tilak Maharashtra Vidyapeeth, Pune
- D Y Patil University, Pune
- MIT Art Deign Technology University, Pune

** More than 20+ Students Successfully Completed their PhD Degrees till date.*

Global University Interactions:

- Visited **Japan Tokyo** for **G20 Interfaith Conference, Goi Peace Foundation, Soka Gakkai University.**
- Travelled **Salt Lake City Utah**, Visited **Utah Valley University, Saltlake community college, Brigham Young University (BYU), Westminster University.**
- Visited **Massachusetts Institute of Technology, Brown University, RI, Providence, Harvard University, Northeastern University, Boston** and the **Wayne State University, Detroit, Michigan State** also visited the **Indo- American Chamber of Commerce Detroit, Michigan State**, for exploring opportunities of international tie-ups.
- Visited **Zayed University Dubai, American University Dubai, London School of Business, Dubai for International University Tie-ups.**
- Attended **International Telecommunications Union (ITU)** conference at **Geneva, Switzerland** to meet the **International Telecom Giants** and Exchange ideas of Partnering and Collaborating.
- Visited **USA** for interacting with Professors and Deans of: **Kellogg School of Management, University of Illinois, Chicago, USA, Benedictine University, Chicago, USA and Illinois Institute of Technology, Chicago, USA.**
- Visited **Singapore** for Interactions with Faculties, Dean, and the Departmental Heads of **National University of Singapore (NUS) and INSEAD Singapore.** As an outcome of this visit the Dean, Academics, MBA of National University of Singapore joined Board of Studies of MIT School Of Telecom Management, Pune, India.
- Visited **UK** for International University Tie-ups and interacted with Professors and Deans of: **University of Dundee, University of Aberty Dundee, University of North Umbria, London School of Economics, Coventry University, University of Bedfordshire, and University of Durby.**
- Visited **Singapore** for ‘**CommunicAsia 2011**’ and interacted with Professors and Deans of: **National University of Singapore, Singapore and Nanyang Technological University, Singapore and Singapore Management University.**
- Represented India at **International ROBOCON at Cairo, Egypt** and took the Delegation of National Robocon.
- In **Belgium - Brussels** visited **NATO Headquarters.** Visited **UNESCO Headquarter in Paris.** Visited **Switzerland - Geneva, WTO, OHCHR, ICRC, UNO, and UNICEF.**
- In **Netherlands**, visited **Hague University, International Court of Justice** and Netherlands -

India Chambers of Commerce and Trade.

- Travelled across **Europe** and **UK**. In **London** visited **London School of Economics**, Commonwealth Headquarters, and **British Parliament and Headquarters**.

Membership of Academic/Professional bodies:

- **IEEE, Life Member**, 2020 onwards (IEEE Member No.: 19845321)
- **Association for Computer Machinery (ACM), Life Member**, 2021 onwards (ACM Member No.: 1445216)
- **Computer Society of India (CSI), Life Member**, 2021 onwards (CSI Member No.: 1345717)
- **Life Member, MAEER Trust, Pune, India** (Founding Body of MIT Groups of Institutions and Universities, Pune), 2010 onwards
- **Member, Board of Management, MIT World Peace University Pune, India** 2019 onwards
- **Member, Academic Council, MIT Art Design Technology University, Rajbag, Pune**
- **Member, Academic Council, MIT World Peace University Pune, India** 2019 onwards
- **Member, Board of Management, Avantika University, Ujjain, MP, India**
- **Member, Organizing Committee, MAE, SPPU Pune University Advisory Committee BCUD, SPPU Pune University**
- **Member, Editorial Board: NIT Graduate School of Management, Nagpur University, India**
- **Member, Advisory Board: Dr. Bhausahab Nandurkar College of Engineering and Technology, Yavatmal, Nagpur University, India.**
- **Member, Editorial Board: International Journal of Advances in Computing and Information Research (IJACIR), SPPU Pune University, Pune.**

Recent Research Paper Publications:

(Reference Link : <https://www.researchgate.net/profile/Milind-Pande-4>)

(Scopus Link :<https://www.scopus.com/authid/detail.uri?authorId=55480860000>)

(Google Scholar Link : <https://scholar.google.co.in/citations?user=aH--0ncAAAAJ&hl=en&oi=ao>)

(Vidwan Link : <https://vidwan.inflibnet.ac.in/profile/1505410>)

- Paper Published at **Bentham Science Publishers, Singapore** on “**Industry 4.0 Convergence with AI, IoT, Big Data and Cloud Computing – Designing a Human**

Centered AI –Based Cognitive Learning Model for Industry 4.0 Applications” Vol. No. E-190, 7th October 2022.

- Paper Published at **Bentham Science Publishers, Singapore** on on **“Industry 4.0 Convergence with AI, IoT, Big Data and Cloud Computing – A Comprehensive Study-of-The-Art Challenges in IoT for AI 4.0”** Vol. No. E-191, 7th October 2022.
- Recognized with the **"Certificate of Merit"** for Paper Published at iSCSi -International Conference On Industry Science and Computer Sciences Innovation at **Vila Nova de Gaia, Porto, Portugal: “Comparative Analysis of Machine Learning Algorithms for Analyzing NASA Kepler Mission Data”** Vol. No. 154, 9th March 2022.
- Recognized with the **"Certificate of Presentation"** for Paper Published at iSCSi - International Conference On Industry Science and Computer Sciences Innovation at **Vila Nova de Gaia, Porto, Portugal: “Data Analytics in the Game of Cricket: A Novel Paradigm”** Vol. No. 153, 11th March 2022.
- Recognized with the **"Certificate of Presentation"** for Paper Published at iSCSi - International Conference On Industry Science and Computer Sciences Innovation at **Vila Nova de Gaia, Porto, Portugal: “Comparative Analysis of Machine Learning Algorithms for Analyzing NASA Kepler Mission Data”** Vol. No. 154, 11th March 2022.
- **Turkish Scopus Journal** of Computer and Mathematics Education: **“Study of Personnel concerns of MSME’s in Pune, India”** Vol.12 No.12 (2021), 3043-3049.
- **SARC: “A Study of Learning & Development, Team Work, Work Culture & Leadership as well as Demographic Characteristics of Employee on Engagement Level of Employees in Telecom Organization.”** at the International Conference in Business Management, Humanities and Social Science (ICBMHSS) Paper ID : SA-MHSS-PUNE-2609202246.
- **SIRIUS: “Towards User-Centric Information Retrieval”:** Research paper published V.Vishwarupe, M. Bedekar, M.Pande, A.Hiwale, DOI: In-press publication. To be published in Springer’s Lecture Notes in Computer Science Series. Future of Information and Communication Conference (FICC) 2020 5-6, **San Francisco.**
- **Intelligent Twitter Spam Detection: A Hybrid Approach”:** Research paper published at **Springer International Conference London, 2017** More Information link: https://link.springer.com/chapter/10.1007/978-981-10-6916-1_17 V.Vishwarupe, M.Bedekar, M. Pande, A. Hiwale. DOI: 10.1007/978-981-10-6916-1_17 Springer **WS4 International Conference London, UK** February 15-16, (Honorable Mention)
- **Factors Influencing Employee Engagement & Different Types of Engaged Employees**
- **Research Scholar – MIT ADT University, Pune** Professor & HOD – MITCOM – MIT ADT University, Pune from IJRAR, Volume 6, Issue 2

- Factors Influencing Employee Engagement in Telecom Organisations from © 2019 JETIR June 2019, Volume 6, Issue 6 www.jetir.org (ISSN-2349-5162)
- **“Literature review on study of human resource challenges in MSMEs with special reference to pune city”** from © 2019 IJRAR Volume 6, Issue 2 www.ijrar.org (E-ISSN 2348-1269, P- ISSN 2349-5138)
- Research Methodology on HR challenges in Micro, Small, Medium enterprises in Pune from © 2019 JETIR Volume 6, Issue 6 www.jetir.org (ISSN-2349-5162)
- A Study of Choice Factors for Selecting B-Schools from International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS) Volume VII, Issue IV| ISSN 2278-2540
- **Impact of Search Engine Optimization Dimensions in B-School Brand Building: An Empirical Study** from International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS) Volume VII, Issue V, | ISSN 2278-2540.
- **“MSME Sector to Play Important Role in Make In India”**: A study, International Journal of scientific research and management (JSRM) ||Volume||4||Issue||03||Pages|| 3984-3990||2016||Website: www.ijrm.in ISSN (e): 2321-3418.
- **“Agritourism Development in India: An Extended Literature Review.”**: International Conference on Ongoing Reach in Management and IT - INCON-2016, ASM, Pune, India. 8th &9th January 2016 (ISBN : 978-81924861-92).
- **“Management of pharmaceutical sales representatives: A literature review”**: Journal of Chinese Pharmaceutical Sciences (Vol. 25, Issue 1, January 2016), 1003-1057 CN 11-2863/R.
- **“Effect of Organizational and Occupational Commitment on Satisfaction and Performance of Medical Representatives”**: ASM’s International E-Journal on ‘Ongoing Research in Management & IT’ (January 2016), 2320-0065.
- **“The Upside of Job Hopping Among Medical Representatives in India.”**: International Journal of Research in Commerce & Management (Vol. 6, Issue 1, January 2015), 0976-2183.
- **“Prevalence Evidence based Management in Pharmaceutical Sales Management in India”**: BITS, Pilani (March 2015), 978-93-84935-18-4.
- **“Agritourism In India: Understanding the Consumer Opportunity”**: International Journal of Research in Commerce & Management, 6(12). (ISSN 0976-2183).
- **“Advertising and Ethical Theories –A Comparative Study of Select Campaigns”**: International Journal of scientific research and management (IJSRM) ||Volume||3||Issue||11||Pages|| 3701-3709||2015||Website: www.ijrm.in ISSN (e): 2321-3418.

- **“Patent Data – an Input to Management for Decision Making”**: ASM’s International E-Journal on ‘Ongoing Research in Management & IT’ E-ISSN – 2320-0065, GENERAL MANAGEMENT Volume – 2, pp 95-104

References

Padma Bhushan Dr. Vijay P Bhatkar

Chancellor of the Nalanda University,
Rajgir, Nalanda District; PIN – 803 116 Bihar

Rev. Prof. Dr. Vishwanath D. Karad

UNESCO Chair in Peace, Human Rights and Democracy.
Founder President, MIT World Peace University, Pune

Padma Shri Dr.Sanjay Dhande

Former Director – IIT Kanpur
Chairman, Bog, NITIE, Mumbai
Member, Scientific Advisory Council the Prime Minister of India

Sd/-

Dr. Milind Pande

Pro-Vice Chancellor

MIT World Peace University, Pune, India