



Dr. Harshwardhan Chandrakant Pandit

Registered Indian Patent Agent [IN/PA 6320]

Assistant Professor – Mechanical Engineering,

School of Engineering and Technology, Shivaji University, Kolhapur.

- B.E. Production Engineering
- M. Tech. (Mechanical- Production Engineering),
- M.B.A. – Manufacturing Management
- Ph. D. Mechanical Engineering
- Mentor – MAARG – Startup India- GoI.
- Innovation Ambassador – IIC, Shivaji University, Kolhapur.

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Detail Bio data

➤ Brief Introduction:

- Recipient of **Entrepreneurship Excellence Award** for IP Trainer & Facilitator – by ENSIN Forum Pune
- Recipient of **Shiv Puraskar** for Academic Excellence and Contribution by Aaji Maji Vidyarthi Sanghatana, Shivaji University, Kolhapur.

- Innovative academician, researcher, and entrepreneur with expertise in **Mechanical and Production Engineering**, currently serving as **Assistant Professor and IIC Coordinator** at **Shivaji University, Kolhapur**. Recognized as an **Innovation Ambassador** and **Startup India Mentor**, with a proven record of mentoring **400+ student innovations** and guiding teams to national recognition under the **MSInS Student Innovation Challenge**. Founder of **Infinnovo Innovations LLP**, a **DPIIT-recognized startup**, and author of books on **Startups and Intellectual Property Rights**. Holder of **46 design patents** and **3 published patents**, credited with socially impactful innovations such as *Devadatt*, *Devarath*, and the *Infinite Y-Axis 3D Printer*, *Developed Automatic Contactless Bhel Vending Machine*. Dedicated to advancing design thinking, entrepreneurship, and innovation-driven education.
- **Books published- 5 books,**
- **Patents published -3**
- **Design Patents - 46**

➤ Personal Skills and Competencies:

- Strong leadership and mentoring skills in **intellectual property rights, innovation, design thinking, and entrepreneurship development**.
- Proven expertise in **strategic planning and execution** of innovation-led academic and startup initiatives.
- Excellent **communication, collaboration, and team-building abilities** across multidisciplinary environments.

- Highly **creative and research-oriented professional** with a strong focus on problem-solving and practical innovation./

- **Academic Profile:**
- **Ph. D. (Oct, 2025)** – Mechanical Engineering from Visvesvaraya Technological University, Belgavi (Karnataka) – KLS Gogte Institute of Technology Belagavi (Karnataka) (Research Centre)
 - **M.B.A. (Manufacturing Management)** – Yashwantrao Chavan Maharashtra Open University, Nashik.
 - **M. Tech.** – Mechanical Engineering (Production Engineering) (2012) Walchand College of Engineering, Sangli.- 98.41/10) - **First in Merit**
 - **B. E.** – Production Engineering (2009) K. I. T.'s College of Engineering, Kolhapur. 78.79% - **First in University**
 - **GATE** (2009)- Production Engineering (Score: 349) (Rank AIR: 203)
 - **H.S.C.** - (2005) Vivekanand Junior College, Kolhapur. - 75.67 %
 - **S. S. C.** - (2003) Vidyapeeth High school, Kolhapur.- 84 %

Academic credentials:

- Academic topper in M. Tech – Mechanical Engineering (Production Engineering) at Walchand College of Engineering, Sangli (An autonomous institute).
- Shivaji University academic topper at undergraduate degree in B.E.- Production engineering, 2009.
- Shivaji University academic topper at undergraduate degree in T.E.- Production engineering, 2008.
- Winner of best question award at 60th Indian foundry congress, Bangalore, 2012.
- P. G. Students’ representative in year 2011- 2012 at Walchand College of Engineering, Sangli (An autonomous institute).
- GATE 2009 Production Engineering exam qualified (40.67/100, AIR 203)

- **Experience in Innovation**
 - **Development of infinite Y- Axis 3-D printer :** Designed and developed low cost advanced infinite Y- Axis 3-D printer for printing any length in horizontal directions, overcoming the limitations of constrained printing.
 - **Development of Coconut De-husking Machine:** Designed and developed low cost advanced mechanized coconut dehusking machine – Devadatt, for faster dehusking, reduced human efforts which can duhusk around 240 coconuts hour.
 - **Development of 3 drive cycle for physically challenged handicapped Divyang:** Designed and developed low cost advanced vehicle for physically handicapped person operating on mechanical, solar and electrical drives, appreciated by Helpers of Handicapped, Kolhapur.
 - **Development of mechanized watering system** – Fitted on modified tricycle with controls for watering given at hand.
- **Hobbies:**
 - Watercolour artist.- Watercolour landscapes, held one week exhibition of paintings at Shahu smarak bhawan, Kolhapur in 2011.
 - Portrait photography

- Listening to music, learning music, playing harmonium
- **Publications:**
 - International journal and conferences: 10
 - National journal and conferences: 23
 - Book Chapter : 01
 - Academic blogs : 06

Book chapter – 01

Name of chapter : Covid 19 Pandemic And Marketing: Impact, Growth and Sustenance,

Name of book : Impact of Covid-19 on Indian Economy,

Nitya Publications, Bhopal MP India.

ISBN: 978-93-90699-75-9

• **Workshops / Expert Lectures conducted:**

Sr. No.	Name of the Institute	Topic	Day and Date
1.	One day Faculty Development Programme at Government College of Engineering, Kolhapur.	Intellectual Property Rights	8/4/2026
2.	One day Faculty Development Programme at Ratnappanna Kumbhar Commerce College, Kolhapur.	Intellectual Property Rights	9/3/2026
3.	One day Faculty Development Programme at Palus College, Sangli.	Intellectual Property Rights	27/02/2026
4.	Expert lecture on IPR at Dr. DY. Patil College of Engineering, Salokhenagar.	Intellectual Property Right	13/02/2026
5.	Conducted one day Faculty Development Programme at Sadguru Gadage Maharaj College, Karad	IPR for Science Innovation: Patent Drafting, Searches and Project Patentability	29/12/2025
6.	Conducted one day Faculty Development Programme at Sharad Institute of Engineering, Yadrav.	IPR for Engineering Innovation: Patent Drafting, Searches and Project Patentability	6/12/2025
7.	Conducted one day Faculty Development Programme at Dr. DY. Patil College of Engineering, Salokhenagar.	IPR for Engineering Innovation: Patent Drafting, Searches and Project Patentability	1/11/2025
8.	Sant Gajanan Maharaj College of Engineering, Mahagaon, Gadhinglaj, Kolhapur	Delivered the prestigious AICTE-MIC-IIC Impact Lecture on Fostering Innovation: Navigating Intellectual Property Rights (IPR) and Entrepreneurship	14/06/2025

9.	D.Y. Patil College of Engineering, Salokhenagar, Kolhapur.	Expert Resource at the Entrepreneurship Awareness Programme by MSME, Government of India.	31/01/2025
10.	Vasantidevi Patil Institute Of Pharmacy, Kodoli - Kolhapur	Expert Resource at the Entrepreneurship Awareness Programme by MSME, Government of India.	01-02-2025
11.	Department of Technology, Shivaji University, Kolhapur.	One Day Entrepreneurship Awareness Programme (EAP) for Students	30/01/2025
12.	D Y Patil, Polytechnic, Kasba Bawda, Kolhapur.	Expert Resource at the Entrepreneurship Awareness Programme by MSME, Government of India.	04/02/2025
13.	Bapuji Salukhe Institute of Technology, Kolhapur	Expert Resource at the Entrepreneurship Awareness Programme by MSME, Government of India.	02/03/2025
14.	D.Y. Patil College of Engineering, Salokhenagar, Kolhapur.	One Day Workshop on Intellectual Property Rights -Awareness and Patent Filing	01/11/2025
15.	Sharad Institute of Technology, Yadrav	One Day Workshop on Entrepreneurship and IPR	30/01/2025
16.	Department of Geography, Shivaji University, Kolhapur.	Expert workshop on Intellectual Property Rights	04/03/2025
17.	Department of Microbiology, Shivaji University, Kolhapur.	IPR Awareness Programme	08/02/2024
18.	D.Y. Patil College of Engineering, Salokhenagar, Kolhapur.	Workshop on Design Thinking and Intellectual Property Rights	21/02/2024
19.	Department of Microbiology, Shivaji University, Kolhapur.	IPR awareness Programme	08/02/2024
20.	R.S.C. Institute of Pharmacy, Dasara Chowk, Kolhapur	Expert lecture on the Development of	26/03/2023

		Leadership and soft skills for career building.	
21.	Sant Gajanan Maharaj Rural Hospital and Research Centre's Sant Gajanan Maharaj College of Engineering, Mahagaon, Gadahinglaj, Kolhapur. Maharashtra.	Workshop on Design Thinking Product Development	16/04/2022
22.	Sri Sai Vidya Vikas Sikshan Samithi (R)'S Sai Vidya Institute of Technology, Rajanukunte, Bengaluru, Karnataka.	Expert Lecture in Webinar on Business Model Canvas	23/05/2022
23.	Annasaheb Dange College of Engineering & Technology, Ashta, Sangli. Maharashtra.	Expert Lecture in webinar on Design Thinking for Innovations	14/06/2022

- Jury for a district-level project exhibition at Kolhapur, organised by Lend A Hand India.
- Jury for the pitching session organised by MSInS for the Maharashtra State Student Innovation Challenge on 12th October, 2023 at SUK Level
- Chief Guest at Walchand College of Engineering, Sangli for Global Mandate Event

* Life Member of Indian Society for Technical Education (ISTE), New Delhi.

* Listed in AD Scientific Index 2023

a. Reviewer for International Journals(Scopus Indexed:)

1. Material Today Proceedings

2. AMPT (Advanced in Materials and Processing Technologies)

• **Books published / edited:**

Sr. No.	Name of Books	Name/s of author/s - Editor	Publisher	ISSN:ISBN
1.	1. Impact of Covid-19 on Indian Economy Book chapter: Covid 19 Pandemic And Marketing: Impact, Growth and Sustenance, Nitya Publications, Bhopal MP India, ISBN: 978-93-90699-75-9	Sruthi S	Nitya Publications, Bhopal MP India	ISBN: 978-93-90699-75-9
2.	Multidisciplinary Research Volume 3	Sruthi S, Er.Harshwardhan Chandrakant Pandit, Dr. Pushpinder Kaur, Dr Anil Prakash Shrivastava, E. Fantin Irudaya Raj, Dr. Satish M. Chavan	Red'Shine Publication Pvt. Ltd.	<ul style="list-style-type: none"> • ISBN-10 : 9393239231 • ISBN-13 : 978-9393239235
3.	Business Management	by Dr. K. Vasanthi Kumari, Dr. E. Rajamanickam, Dr. Shivi Mittal, CMA Maithili Malpure and Er. Harshwardhan Chandrakant Pandit (Author)	Red'Shine Publication Pvt. Ltd.	<ul style="list-style-type: none"> • ISBN-10 : 9393239401 • ISBN-13 : 978-9393239402
4.	Management of Startups	Dr. Amit Channa, Dr. Mayank Tiwari, Er. Harshwardhan Chandrakant Pandit, Sonu Kumar	Academic Guru Publications (AGPH)	<ul style="list-style-type: none"> • ISBN-10 : 9394339302 • ISBN-13 978-9394339309
5.	National Education Policy – Transformational Reforms in Higher Education	Associate Editor - Dr. R. Sasipriya Er. Harshwardhan Chandrakant Pandit Dr. Amir Yograj Kapoor	Red'Shine Publication Pvt. Ltd.	<ul style="list-style-type: none"> • ISBN-10 : 9395455477 • ISBN-13 93-9545647-7

	Intellectual Property Rights	Dr. Ashok Kumar Koshariya , Dr. Santosh Kumar, Dr. Ravi Kumar Kota, Er. Harshwardhan Chandrakant Pandit.	ACADEMIC GURU PUBLISHING HOUSE	ISBN-13: 978-8119025084
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AWARDS / RECOGNITION



Completed Innovation Ambassador Training (Foundation Level)



Completed Innovation Ambassador Training (Advanced Level)