

## **Sandeep Bhaskar Patil**

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### **Professional Goal:**

To be a member of an organization that allows me to demonstrate my abilities in quickly comprehending new technological concepts and effectively applying them, as well as to be a part of a team that works dynamically toward achieving organizational goals.

### **Work Experience: 10 Years**

- 1 Assistant Professor in JSPM's Jayawantrao Sawant College of Engineering, Hadapsar, Pune  
Period: 23 Dec 2013 to Till Date.
- 2 Graduate Engineer Trainee in Bharat Forge, Pune  
Period: July 2010 to Aug 2011
- 3 Operator Engineer Trainee in Tractor Engineers limited, Pune  
Period: July 2010 to May 2011

### **Teaching Experience: 8 Years**

#### **1. Projects Handled**

1. Design and Development of Horizontal Bearing Press Machine
2. Design and Manufacturing of Solar Operated Lawn Mower
3. Design & Manufacturing of Educational Fatigue Testing Machine
4. Investigation of wear rate parameters using pin on disk machine
5. Development of Smart Street Light Control System for energy conservation
6. Raspberry Pi Based Vehicle Safety
7. Image Quality Prediction of Steel Using Machine Learning
8. Effect of Biaxial Pressing Method to control the insert dimensions during Powder Compacting Process & its Optimization

#### **2. Subjects Guided**

- Undergraduate Subjects
  1. Material Science
  2. Engineering Metallurgy
  3. Strength of Materials

4. Engineering Materials and Metallurgy
  5. Manufacturing Process
  6. Computer Aided Machine Drawing
  7. Surface Engineering
  8. Metrology and Quality Control
- Post Graduate Subjects
    1. Material Science and Mechanical Behaviour or Materials

### **3. Digital Content Created for Subjects Taught**

1. Engineering Materials & Metallurgy, including 52 videos totaling over 1600 minutes of video.
2. Manufacturing Processes, includes 45 videos totaling about 1400 minutes of video recording.
3. Surface Engineering, PPTs uploaded on YouTube in Video Format.

YouTube Channel Link with QR Code

<https://www.youtube.com/channel/UCRgWTeFgLDRxjtib1bwYnCg>



### **4. Innovative Teaching Methods Used**

- Word Clouds, Quiz Leader Boards, Rankings, Polls, and Surveys
- Four Board Method, TPS, Flip Classroom, Conceptual Check, and Game Pedagogy

### **5. Portfolios Managed**

- o MOODLE Coordinator (from AY 2015)
- o PBL Coordinator (from AY 2019)
- o Seminar Coordinator (from AY 2019)
- o Subject Coordinator (from AY 2015)
- o Metallurgy Lab In-charge (from AY 2019)
- o Computer Lab In-charge (from 2016)
- o SPPU Online Exam Coordinator (from 2015)
- o Class Coordinator (8 times)
- o Students Feedback Coordinator (2 times)

- o Assistant Mini Project Coordinator (from AY 2122)
- o Assistant Project Coordinator (from AY 2020)
- o Assistant NBA Criteria 4.0 (from AY 2016)
- o Internal NBA Evaluator for Criteria 1 to 7 (Aug 2022)
- o Assistant LIC Committee Coordinator (from AY 2014)
- o Assistant Result Analysis Coordinator (from AY 2014)
- o Assistant Senior Supervisor SPPU Exam
- o Guardian Faculty Member (from AY 2014)

## **6. Certificates & Appreciations**

- Expert Lecture on “Advanced Features of MOODLE LMS” at JSPM JSIP Hadapsar Pune
- Expert Talk on “Surface Engineering” for TE Students at SNJB’s Late Sau. K.B. Jain College of Engineering, Chandwad, Nashik.
- Appreciation Letter for study material for subject EMM by Dr. Santosh D. Sancheti, Head, Mechanical Engineering., Department of Mechanical Engineering, SNJB’s Late Sau. K.B. Jain College of Engineering.
- Dr. Pradeep Patil (HOD, Mech, JSPM's JSCOE Pune) has sent letters of appreciation for academic and admission contributions.
- SPPU Syllabus Implementation (Two Subjects for 2019 Pattern)
- SPPU Examination Question Paper Setting for Online Examination (Number of Subjects – 2)
- National FDP Certificate on “Creating Open Source Cloud based Gnomio Moodle of Your Own Subject for OBE” organized by DY Patil College of Engineering Pune.
- International FDP Certificate on “Environment and Sustainability” [OE4BW] organized by DY Patil College of Engineering Pune. Self-video is selected for UNESCO Conference.

(YouTube link - <https://www.youtube.com/watch?v=YaqVcEu3ifk>)

- National FDP Certificate on “Innovative Teaching – Learning Methods” Organized by Department of Mechanical Engineering, KABGT, COE Nashik.
- Online Workshop Participation in "Effective and Efficient Online Teaching using BodhiTree" at IIT Bombay
- Online Elementary FDP on "Machine Learning & Deep learning using Python" organized by AICTE Training And Learning (ATAL) Academy

### **Educational Qualifications:**

1. M. Tech in Physical Metallurgy from Govt. College of Engineering, Pune  
7.96 SGPA, 2013
2. B. E. Mechanical Engineering from BMIT Solapur, Solapur University  
70.85%, 2010
3. Diploma in Mechanical Engineering from Govt. Polytechnic Pune  
74.60%, 2006
4. HSC from R.R. Shinde Jr. College, Pune  
77.67%, 2003
5. SSC from Sadhana Vidyalaya, Pune  
82.80%, 2001

### **Paper Published:**

Role of Ceramic Coating on Electrical and Magnetic Properties of Iron Powder, “Electron Materials Letters”, Vol 10, No.3 (2014), pp. 591-596

### **Personal Details:**

Name: Patil Sandeep Bhaskar  
 Date of Birth: 26/09/1985  
 Father’s Name: Patil Bhaskar Shankar  
 Languages Known: Marathi, Hindi, English  
 Address: B 203, Aboli, Suyash Shruti, Tukai Darshan, Papadewasti, Fursungi  
 Pune – 412308  
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Declaration: I hereby declare that the above-mentioned information is true to the best of my knowledge.

Date:

Place:

Sandeep Bhaskar Patil