

### ***Guidelines for filling data :***

- ***Heading 1 style for points and Normal style for data***
- ***Font size for data is Arial 12***
- ***Delete point which is Not Applicable to you***
- ***Educational qualification – Give details as shown in example***
- ***Use bullets only if more than one sub-points are there under any point***

### **Name:**

Prof. Ms. Laxmi Dnyaneshwar Sapkal

### **Designation:**

Assistant Professor

### **Contact Details:**

Email id: lds\_print@pvgcoet.ac.in

Phone Number with extension: 020 24228258 / 65 / 79 Extn : 423



### **Educational Qualifications:**

- M.E. (Printing Engineering and Graphic Communication), Pune University, Pune, May 2012.
- B.E. (Printing Engineering and Graphic Communication), Pune University, Pune, August 2008

### **Experience:**

- Industrial: 1 Years
- Teaching: 12 Years

### **Research Interests:**

- Food Packaging
- Packaging Technology
- Material Science
- Screen Printing
- Printed Electronics

### **Research Projects:**

- Improving the Efficiency of Output by Reducing Rejection In Screen Printing, 2021
- Study of augmented reality on gravure machine in printing industry and education”2020

- Analysis and optimization of screen-printing parameters, sponsored by PRS Permacel, India, 2020
- Synthesis of biodegradable blend of natural rubber and starch, sponsored by Ballarpur Paper Industry, Bhigwan, India, 2019
- Innovative package for consumable product, 2018
- To study the printability and barrier properties of biodegradable plastic films”, 2018
- Comparative analysis of solvent-based ink on polyethylene, polypropylene and polyethylene terephthalate films sponsored by Cosmo films, 2017
- Comparative analysis of surface treatment on various plastic films, sponsored by Cosmo Films Limited, 2017
- Comparative analysis of surface treatment on various plastic films, sponsored by Cosmo Films Limited and Garware Films, Aurangabad, 2016
- Evaluation of retention of corona treatment on BOPP film, sponsored by Cosmo Films Limited, Aurangabad, 2015
- Automatic blanket washing device for offset press, sponsored by Pudhari Newspaper, 2013
- To increase the brightness of Kraft paper and recycled newsprint paper, sponsored by International Paper, 2013
- Comparative analysis of paper print quality by digital printing methods, sponsored by BILT, and Xquisite pvt.ltd, 2013

#### **Ongoing Research Projects:**

- Implementation of augmented reality in gravure printing machine: Augmented reality can be defined as the interaction of superimposed graphics, audio and other sense enhancements over a real-world environment which is all displayed in real time. It is the combination of a real scene viewed by a user and a virtual scene generated by a computer that augments the scene with additional information.
- Analysis of water based and solvent based overprint varnish on narrow web flexography press: Working on the initial stage of the sustainable packaging
- Evaluation of color reproduction on wooden material by screen printing press: Color reproducibility of the wooden material using different screen ruling

**Field of Consultancy (Aspiring):**

Food Packaging and Screen printing

**Number of Publications: 01**

International Conference:01

Article recognition published in Maharashtra Times on Role of Augmented reality in Printing technology and education

**Recognition/ Awards:**

- Recognized Post Graduate teacher of University of Pune.
- Received a Best teacher Award by Late. V.G. Joshi Trust in 2019
- Received in Specialty Graphics Imaging Association, USA for guiding students in ASDPT TOM Frecska Student Printing Competition, from 2015-2019
- Interviewed by Screen Print India Magazine for recognized work done in screenprinting.
- Awarded amongst top 20 women in screen printing industry by Screen Print India, in recognition of excellent work done in screen printing.

**Professional Society Memberships:**

- WICCI

**Number of FDPs / STTPs organized: 01**

**Number of Workshops organized: 01**

**Number of FDPs / STTPs attended: 11**

**Number of Workshops attended: 01**

**Number of Conferences / Seminars attended: 03**

**Number of Online Certification Courses done: 28**

**Number of Webinar attended: 02**

**Details of Research papers published:**

- Bulleted list of research papers published

**Details of books / book chapters published:**

- Bulleted list of book / book chapters published

**Details of FDPs / STTPs attended in last 5 years:**

- FDP on Outcome Based Education
- Training on Arden -Impact -package design software
- 3D Printing
- Intellectual property rights
- Effective Proposal Writing for Research and Funding

- AICTE-FDP on & Innovations in ICT Enabled
- Solar Cell and Net Metering
- Report writing using Latex”
- Teaching and Learning Process
- Use of ICT in education for online and blended learning

#### **Major Portfolios Handled: (college level and department level)**

- National service scheme Coordinator
- Academic Coordinator
- Student Association Coordinator
- Entrepreneur development cell coordinator
- Mentor Coordinator
- Social media coordinator
- Girls Empowerment Coordinator

#### **Role in University Bodies....**

- Member, Academic Council, SPPU
- Member Board of Studies – Printing Engineering, SPPU
- Subject Expert, interview committee, SPPU
- HOD Board of studies - Printing Engineering, SPPU
- Subject Chairman - Printing Engineering, SPPU
- PG recognized guide - Printing Engineering, SPPU

#### **Any other information which is not covered in above points:**

- Received \$500 cash prize for guiding students in ASDPT Tom Frescka Student printing competition organized by Specialty Graphics Imaging Association, USA, 2015
- Received Gold Award for printed sample to students under my guidance in Specialty Graphics Imaging Association in industry category, 2018
- Article Published in Maharashtra Times on Role of Augmented reality in printing technology and education, 2021
- Student Participated under my guidance in Flexible Packaging Association, USA