

Name: **Ms. Laxmi D. Sapkal**

Designation: Assistant Professor

**Contact Details:**

- Email id: [sapkalaxmi@gmail.com](mailto:sapkalaxmi@gmail.com), [lds\\_print@pvgcoet.ac.in](mailto:lds_print@pvgcoet.ac.in)
- Phone Number with extension: 91-20-24228258/62/79 Extn(414)
- Mobile No. 8149439788



**Educational Qualification:**

- M.E.(Printing Engineering and Graphic Communication), Savitribai Phule Pune University
- B.E.(Printing Engineering and Graphic Communication), Savitribai Phule Pune University.

**Research Interests:** Printed Electronics, Screen Printing, Material Science

**Field of Consultancy(Aspiring):**Material Science, Screen Printing

**Experience:**

- 1) Industrial Experience (total years): 1 year
- 2) Teaching Experience (total number of years): 8 years

**Publications:**

1. **National Conferences :** • “PACK4RELIEF2014” at A two days Conference on Plastic packaging” organized by Avinashilingam University , Coimbatore , Tamilnadu.

**Faculty Development Programs/Workshops conducted:** Organized as faculty development workshop workshop on “Patent” from 3<sup>rd</sup> and 4<sup>th</sup> February 2017

**Faculty Development Programs/Short Term Training Courses attended:**

- “FDP – Use of ICT in Education for Online and Blended Learning” by IIT Bombay from 2<sup>nd</sup> May 2016-10<sup>th</sup> July 2016
- A one day workshop on “Faculty Development Program” organized by International Buisness School, Pune on 17 July 2015
- A three days workshop on “Report writing using Latex” on 2-4 September 2015

**Academic Project Work**

**Project undertaken during Bachelor Degree :**

**Title** : Analysis of Vegetable oil & Mineral oil based inks

**Sponsored by** : Micro Inks, Silvasa

**Description** : We studied rheological properties as well as print performance of both the inks (Vegetable oil based) Reflecta inks and mineral oil based inks) Rapida inks.

**Test Carried out** : Rheological properties, Particle size, trapping, penetration test...

**Machine used** : Heidelberg Speedmaster 72

**Instrument used** : Falling rod viscometer, Inkometer, Spectrophotometer...

**Conclusion** : Larger gamut obtains in Vegetable oil based inks as compared to Mineral oil based inks.

**Project undertaken during Master Degree :**

**Title** : The Effect of Paper Coating Composition on Digital Print Quality

**Sponsored by** : Ballarpur Paper Industry (BILT), Bhigvan, Maharashtra

**Description**

- To find the best combination of coating composition, screen ruling and machine setting to achieve the best print quality of BILT paper.
- To compare the best obtained print quality of BILT paper with the standard SAPPI
- To study quality of colour reproduction on coated paper used for digital Printing.

**Machines used** : HP Indigo 3550 Digital Press & KODAK NexPress 3000

**Instrument used** : X-Rite i1 Pro

**Conclusion** : The conclusion was based on the paper samples and its combination of CaCO<sub>3</sub> and clay %, so from results obtained we concluded that the 70: 30 combination of CaCO<sub>3</sub>: Clay gives the maximum quality and larger color gamut.

### **Project Undertaken at PVGs COET as a Project Guide**

- “Comparative analysis of surface treatment on various plastic films” , Sponsored by Cosmo and Garware Films, Aurangabad, 2016
- Evaluation of Retention of Corona Treatment on BOPP film, Sponsored by Cosmo films, Aurangabad, 2015
- To study the effect of coating composition on digital print quality, Sponsored by BILT, 2013
- 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,2012

### ▪ **Recognitions/ Awards:**

Under the guidance of me a group of 3 students received Award of Excellence and Best of Show and group of 4 students received Award of excellence in Tom Frecska Student Printing Competition held at Atlanta and Las Vegas, USA for 2015 and 2016 organized by ASDPT Academy of Screen and Digital Printing Technology SGIA, USA and received cash prize of \$500 for Institute and \$500 among group of students.

### **University Activities:**

- Subject Chairman for various subjects such as Basic Printing Techniques, Print Finishing, Material Science etc.
- Active participation in regular examination duties such as paper setting, paper checking, practical/Oral examinations etc.
  - Active coordinator of National Service Scheme and attended NSS camps from last 4 years held at various parts of Pune district.

[Click to View Profile Summary](#)