

1. Personal Information

- **Name:** Ms. Shweta Avinash Sakle
- **Position:** Assistant Professor (Contractual Visiting Faculty)
- **Department:** Electronics And Telecommunication
- **Contact Information:** sasakle@sggs.ac.in, S.G.G.S.I.E and T, Vishnupuri, Nanded, 9423626590

2. Educational Background

- **Degrees:** M-Tech (Electronics), Shri Ramanand Teerth Marathwada University, Nanded, 2011.
- **Postdoctoral Experience:** No.
- **Certifications:**

| Sr. No. | Year | Course | Conducting Institute |
|---------|------|---|--------------------------|
| 1 | 2023 | Digital electronics | NPTEL |
| 2 | 2022 | Patent Search and Analysis | NPTEL |
| 3 | 2022 | Patent Drafting for Beginners | NPTEL |
| 4 | 2021 | 30 Days Master class on Artificial Intelligence | Pantech Solutions |
| 5 | 2021 | 30 Days Machine Learning Master class | Pantech Solutions |
| 6 | 2021 | Patent Law for Engineers and Scientists | NPTEL |
| 7 | 2007 | Mainframe Application Programming | MAPLES ESM Pvt Ltd. Pune |
| 8 | 2006 | C Programming | SEED Infotech Ltd. Pune, |

3. Research Interests

- **Areas of Expertise:** Biomedical Imaging, Basic Electronics, Digital Electronics, Control systems
- **Ongoing Projects:** No.
- **Interdisciplinary Work:** No.

4. Teaching Experience

- **Courses Taught:** List of courses taught (undergraduate levels).

Basic Electronics, Analog Communication, Digital Electronics, Control systems, Digital System Design, Microprocessor, Microcontroller, Mechatronics, Electromagnetic Engineering, Network and Lines

- **Course Development:** No.

5. Publications and Presentations

- **Books: /Book Chapters:**

1. **Shweta Pandav** and Lenina SVB “**AI based approach for brain tumor detection and classification** “in the book “**Disruptive developments in biomedical applications, edited by** Swati v. Shinde, Parikshit N. Mahalle, Versha Bendre and Oscar Castillo, Chapter 4 pp51-66 of CRC Press Taylor and Francis group, January 2023.
2. **Pandav Shweta**, Lenina, S.V.B. (2023),” **Brain Tumor Detection with Artificial Intelligence Method.**”, edited by Shukla, A., Murthy, B.K., Hasteer, N., Van Belle, JP. Computational Intelligence. Lecture Notes in Electrical Engineering, vol 968. Springer, Singapore, chapter 42, Feb 2023 https://doi.org/10.1007/978-981-19-7346-8_4

- **Journal Articles:**

Shweta Pandav, “**Brain Tumor Extraction using Marker Controlled Watershed Segmentation**”, in IJERT (International Journal of Engineering Research & Technology), Vol. 3 - Issue 6 (June - 2014), **e-ISSN:** 2278-0181.

- **Conference Papers:**

1. **Shweta Pandav** and Lenina SVB, “**Brain tumor detection with Artificial Intelligence Method**”, in International Conference on information technology (InCITe 2022), pp 485-495, Mar 2022
2. **Shweta Pandav** and R.S.Potpelwar, “ **Brain tumor segmentation with comparative studies of four methods in MRI images**”, International conference on signal and information processing (ICONSIP 2016), pp 326-330, October 2016 conducted at Shri Gobind Singhji Institute of Engineering and Technology, Vishnupuri Nanded-6.
3. **Shweta Pandav** and A. N.Kamthane, “**Simulation and Performance Analysis of OFDM**”, in National Conference on Communication, Computing and Networking Technologies (NCCCNT- 2013) in march 2013 conducted at Shri Gobind Singhji Institute of Engineering and Technology, Vishnupuri Nanded-6. **NCCCNT** in March 2013 conducted at S. G. G. S. I E & T, Vishnupuri Nanded- 6.

- **Editorial Work:** No.

6. Awards and Honors

- **Grants:** No.
- **Awards:** No.
- **Fellowships:** No.

7. Professional Experience

- **Administrative Roles:**

1. Departmental TPO (2023-till date).
2. Training and Placement Officer (2016-2021) at Indira Institute of Technology (Polytechnic) Nanded.
3. Head Of the Department (2018-2020) at Indira Institute of Technology (Polytechnic) Nanded

- **Industry Collaboration:** No.
- **Consulting Work:** No.

8. Supervision and Mentoring: No

PhD/Master's Supervision: No

9. Professional Memberships Associations: No

10. Miscellaneous

- **Languages:** English, Marathi and Hindi.
- **Skills:** C and C++ Programming, Matlab Programming
- **Personal Interests:** Singing, Reading Motivational Books, Learning new Technical

Skills, Playing sports as Kabaddi, Kho-Kho, Tug of war.