



Rayat Shikshan Sanstha's
Yashavantrao Chavan Institute of Science, Satara (Autonomous)
Lead College of Karmaveer Bhaurao Patil University, Satara

Faculty Profile

❖ **General information**

Name : Mr. Nikhil Ramchandra Gogawale
Designation : Assistant Professor
Department : Electronics
Educational Qualification : M.Sc. SET (Electronics Science)
Date of Appointment : 19/06/2017
Teaching Experience : UG: 6 years
PG: 2 years
Ph.D. : Pursuing
Research Experience : 02 years
Research Area : Embedded System, MEHS.



❖ **Educational Qualification Details (undergraduate onwards)**

| Sr. No. | College/University | Degree | Subjects | Year | Class/ Percentage |
|---------|--|--------|---------------------|------|-------------------|
| 1 | KARMVEER BHAURAO PATIL UNIVERSITY SATARA | Ph. D. | Electronics | 2024 | Pursuing |
| 2 | SAVITRIBAI PHULE PUNE UNIVERSITY | SET | Electronics Science | 2024 | 50.00% |
| 3 | Solapur University | M.Sc. | Electronics | 2016 | 60.00% |
| 4 | Shivaji University | B.Sc. | Electronics | 2014 | 60.00% |

❖ **Academic and Administrative Responsibilities**

| Sr. No. | Position | Organization | Date/Duration |
|---------|-------------|--------------------------------|--------------------|
| 1 | Coordinator | Start up Clinic and Makers Lab | From January 2022 |
| 2 | Member | ISO | From August 2023 |
| 3 | Coordinator | VLAB | From December 2023 |

❖ **Research Projects(Ongoing/Completed)**

| Sr. No. | Title of Project | Duration | Amount Sanctioned (in Lakhs) | Agency | Status (Ongoing/ Completed) |
|-------------------------------|--|----------|------------------------------|---|-----------------------------|
| Minor Research Project | | | | | |
| 1. | Identification and analysis of ber fruit disease using AI | 1 Year | 0.25 | Centre of Excellence in AI, YCIS Satara | Ongoing |
| 2. | Synthesis and Characterization of Pristine, Doped Zinc Oxide (ZnO) Nanofibers for Piezoelectric Sensor Application | 2 Year | 0.50 | Centre of Excellence in AI, YCIS Satara | Ongoing |
| 3. | Development of Expert System for Electrotherapy | 2 Year | 1 | Centre of Excellence in AI, YCIS Satara | Ongoing |

❖ **Details of Research Publications**

A) Patent

| Sr. No. | Title | Patent No. | Indian/US/ Any other | Granting date |
|---------|--|------------|----------------------|---------------|
| 1. | Machine Learning based Stress Detection Device | 393708-001 | Indian | Granted |
| 2. | Microstrip Patch Antenna | 6331255 | International (UK) | Granted |

B) Books/Book Chapters

| Sr. No. | Title | Publisher | Year of Publication | ISBN No | Type (Reference/Text) |
|---------|--|-----------------------|---------------------|-------------------|-----------------------|
| 1 | Microcontroller Melange : A Comparative Analysis | AAVISHKAR PUVLICATION | 2023 | 978-81-964704-5-6 | |
| 2 | Design and Simulation of Micro strip Patch Antenna Using CST Designing Suite | AAVISHKAR PUVLICATION | 2022 | 978-81-96470-7-0 | |
| 3 | OLED Device Physics | AAVISHKAR PUVLICATION | 2022 | 978-81-96470-7-0 | |
| 4 | Number System and Binary Codes | AAVISHKAR PUVLICATION | 2023 | 978-81-964704-5-6 | |

C) Datasets Submission

D) Research papers:

| Sr. No | Title of paper | Journal/proceeding details (Name, volume, page no, year of publication etc.) | ISSN No | Listed in Scopus/ Web of Science/ UGC Care | Impact factor (If any) |
|--------|--|---|-----------|--|------------------------|
| 1 | Smart Sensors Based Accident Detection and Rescue System | <i>IJIRT</i> | 2349-6002 | UGC Care | |

E) Paper Presentation in Conference /Seminar/ Symposia:

| Sr. No | Title of paper | Name of the Conference/Seminar/Symposia Details (Title, Date, Page No etc.) | Level (Intl/Natl/State /Uni etc.) | Organizing institute |
|--------|---|--|-----------------------------------|--|
| 1 | "Automated Controlled Smart Fan" | Conference on Recent Advances in Renewable Energy and Hygiene Devices (RAREHD-2018)" | International | Yashavantrao Chavan Institute of Science, Satara |
| 2 | "Smart Farming using WSN" | "International conference on Multifunctional and Hybrid Materials for energy and Environment (MHMEE) at to be held on 29- 31January 2020 | International | Yashavantrao Chavan Institute of Science, Satara |
| 3 | "Automated tyre pressure and temperature monitoring system" | International conference on Emerging Trends and Challenges in Electronics and computing (ETEC-2021) | International | Department of Electronics Yashavantrao Chavan Institute of Science, Satara |
| 4 | "Agriculture irrigation system using Arduino" | International conference on Emerging Trends and Challenges in Electronics and computing (ETEC-2021) | International | Department of Electronics Yashavantrao Chavan Institute of Science, |

| | | | | |
|---|--|--|---------------|--|
| | | | | Satara |
| 5 | "Home automation system using Arduino" | International Conference on Advances in Computational Sciences (ICACS) (May 2022) | International | Department of Computational Sciences Yashavantrao Chavan Institute of Science, Satara |
| 6 | "Coordination of AI and Modern English Language" | NATIONAL CONFERENCE ON India's Digital Future and Modern Indian Languages (March 2023) | National | Department of English and IQAC Yashavantrao Chavan Institute of Science, Satara |

❖ **Participation in Orientation/Refresher/FDP/Short Term/Training Programs:**

| Sr. No | Name of the programme | Organizing institute | Date |
|--------|-----------------------|----------------------|------|
| 1 | | | |

❖ **Participation in Conference/Seminar/Symposia/Workshop/Any other programs:**

| Sr. No | Name of the event | Organizing institute | Level (Intl/Natl/State/Uni/Local etc.) | Date |
|--------|---|---------------------------------------|--|-----------|
| 1 | one day state level symposium on Emerging Trends in Electronics and Computer Science Technology | Department of Electronics YCIS Satara | State Level | Jan 2014. |
| 2 | sponsored Workshop on "Embedded System Design Based on 8051 and PIC Microcontroller" | Department of Electronics YCIS Satara | State Level | Feb 2016. |
| 3 | in "A Two days Hands on Workshop on PCB Design and Etching" | Department of Electronics YCIS Satara | State Level | 2017,2018 |
| 4 | "A four days Hands on Workshop on Embedded Product Design" | Department of Electronics YCIS | State Level | 2017 |

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|----|--|--|---------------|------------|
| | | Satara | | |
| 5 | “A Two days Hands on Workshop on World of Android” | Department of Electronics YCIS Satara | State Level | Nov 2017. |
| 6 | “Innovative trends in Electronics and Allied Technology”(ITEAT-2017) | Department of Electronics YCIS Satara | National | Feb 2017. |
| 7 | “Faculty Development Program on Recent Advances in UG Programme | Department of Electronics YCIS Satara | State Level | June 2019 |
| 8 | “International conference on Multifunctional and Hybrid Materials for energy and Environment (MHMEE) | Yashwantrao Chavan Institute of Science, Satara. | International | 2020 |
| 9 | International conference on Emerging Trends and Challenges in Electronics and computing (ETEC-2021) | Department of Electronics YCIS Satara | International | 2021 |
| 10 | International Conference on Advances in Computational Sciences (ICACS) | Yashwantrao Chavan Institute of Science, Satara. | International | May 2022 |
| 11 | NATIONAL CONFERENCE ON India’s Digital Future and Modern Indian Languages | Yashwantrao Chavan Institute of Science, Satara. | International | March 2023 |

❖ **Chaired Sessions in Conference/Seminar/Workshop etc.:**

Signature of Faculty