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Name -Mrs. Sonali Kishore Pawar

Qualification-PhD (Pursuing), M.Tech (Electronics-VLSI)

Experience- 18 Years

Portfolio at college level:

1. NAAC criteria 3 committee member at University level from January 2022
2. Scholarship Committee Member at college level.
3. Vmedulife coordinator at department level.
4. Hackathon Coordinator at department level.
5. Purchase coordinator (Year 2012 to 2025)
6. Guardian Faculty Member

Conferences:

Academic Year 2023-24

1. Sonali Pawar, Anuradha S. Nigade, Shankar R. Madkar, Vikas Kaduskar, Aparna Shankar Patil, Sumedh Dhole, “Design & implementation of smart Ventilator for respiratory Diseases”, IEEE Xplore, Mar-24, ISBN:979-8-3503-1379-6
2. Amol Kadam, Anurag Shrivastava, Sonali Pawar, Vinod Patil, Jacob Michaelson, Ashish Singh, “Calories Burned Prediction Using Machine learning”, IEEE Xplore, Jan-24, ISBN:979-8-3503-0448-0
3. Sakshi D Salimath, Mangal Patil, Vikas Kaduskar, Sonali Pawar,” Optimizing Respiratory Assessment with Advanced Photoplethysmography Techniques” IEEE Xplore, May-24, ISBN:979-8-3503-06613

Academic Year 2022-23

1. Mrs. S.K. Pawar, Mrs. S. P. Tonadre, Mrs. A. S. Nigade, Mrs. J. S. Morbale, Miss. A. S. Patil, Isha Mandawkar, “Covid-19 Face Mask Detection and Social Distancing at Public Places”, 3rd International Conference on “Continuity, Consistency and Innovation in Applied Sciences and Humanities”, St. Martin’s Engineering College, Dhulapally, Secunderabad, T.S, India, 16th -17th September, 2022.
2. Mrs. S.K. Pawar, Mrs. S. P. Tonadre, Mrs. A. S. Nigade, Mrs. J. S. Morbale, Miss. A. S.

Patil, Sanidhya Singh, Jyot Prakash Shukla, Kunal Tyagi, “Design and Build Control Panel for Vertical Axis Wind Turbine at 700 RPM”, ”, 3rd International Conference on “Continuity, Consistency and Innovation in Applied Sciences and Humanities”, St. Martin’s Engineering College, Dhulapally, Secunderabad, T.S, India, 16th -17th September, 2022.

Academic Year 2011-12

1. Mrs. S. K. Pawar, Prof. N. Srivastava, Ms. S. S. Pethkar , “RFID, GPS & Based vehicle tracing & employee security system”, NCONCPR- 2012, Sinhagad Academy of Engineering, Pune on 16th – 18th March 2012.
2. Mrs. S. K. Pawar, Dr. J. S. Chitode, Mrs. S. M. Khatavkar , “Voice Operated Intelligent Wheelchair”, NCONCPR-2012, Sinhagad Academy of Engineering, Pune on 16th – 18th March 2012.

Academic Year 2010-11

1. Mrs. S. K. Pawar, MRs. M. S. Chavan, “Solaris 10 OS Zones technology for virtualization concept”, NCECIS-2011, Pravara Rural Engineering College, Loni on 6th -7th April 2011.

Publications:

Academic Year 2025-26

1. Sudhir Kadam, Kamalakar Desai, Payal Kadam, Aarti Pawar, Sonali Pawar, Anuradha Nigade, “Design and performance of two stages square cut rectangular multiband microstrip fractal antenna”, MethodsX, Dec-25, ISSN: 22150161, Volume - 15

Academic Year 2024-25

1. Aparna Patil, Mangal Patil, Sharda.P.Tondare, Prajakta Naregalkar, Anuradha Nigade, Sonali Pawar, Jyoti Morbale, “Harnessing the MERN stack for scalable E-commerce website design: A full-stack approach with MongoDB, Node.js, Express.js, and React.js”, Journal of Integrated Science and Technology, Apr-25, ISSN: 23214635, Volume - 13, Issue -5
2. Shankar Madkar, Aparna Patil, Mangal Patil, Anuradha Nigade, Sonali Pawar, Sanjay Pardeshi, “Hybrid Optimization Algorithm for Reliable Routing in Wireless Sensor Network”, SSRG International Journal of Electrical and Electronics Engineering, Dec-24, ISSN: 23488379, Volume:11, Issue 12

Academic Year 2023-24

1. Dilip Kumar Jang Bahadur Saini, Sonali Kishore Pawar, Sharda Prakash Tondare, Anuradha Sagar Nigade, Jyoti Morbale, Mohit Gangwar,” Improve QoS for multi-body sensor analytics in smart healthcare system using machine learning algorithm”, Sept-23, ISSN: 0972-0502 (Print), ISSN: 2169-012X (Online)

Academic Year 2022-23

1. Mrs. S. P. Tonadre, Mrs. S.K. Pawar, Mrs. A. S. Nigade, Miss. A. S. Patil, Isha, Pooja, Aditya, "Covid-19 face mask detection and social distancing at public places", International Journal of Engineering & Techniques (IJET), Volume-08, Issue-05, ISSN: 2395-1303
2. Prof. Sonali K. Pawar, Prof. Anuradha Nigade, Prof. Sharada Tondare, Prof. Aparna Patil, Kajal, Shivani, "IoT Based Smart Stick for Visually Impaired", International Journal of Engineering & Techniques (IJET), Volume-08, Issue-04, ISSN: 2395-1303
3. Prof. A. S. Nigade, Prof. S. K. Pawar, Nayan Sinharay, Abhishek Dwivedi, Varun Sharma, "Design of Dc-Dc Buck Converter for Application in Solar Water Pump", International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 06 Issue: 07, ISSN:2582-3930
4. Mrs. S. P. Tonadre, Mrs. S.K. Pawar, Mrs. A. S. Nigade, Miss. A. S. Patil, Sanidhya Singh, Jyot Prakash Shukla, Kunal Tyagi, "Design and Build Control Panel for Vertical Axis Wind Turbine Rotating at 700 RPM", International Journal of Engineering & Techniques (IJET), Volume 8 Issue 5, ISSN: 2395-1303
5. Mrs. S. P. Tonadre, Mrs. S.K. Pawar, Mrs. A. S. Nigade, Mrs. J. S. Morbale, Miss. A. S. Patil, Isha Mandawkar, "Covid-19 Face Mask Detection and Social Distancing at Public Places", Industrial Engineering Journal (UGC Care), Volume: 52, Issue 1, No. 1, ISSN: 0970-2555
6. Mrs. S. P. Tonadre, Mrs. S.K. Pawar, Mrs. A. S. Nigade, Mrs. J. S. Morbale, Miss. A. S. Patil, Sanidhya Singh, Jyot Prakash Shukla, Kunal Tyagi, "Design and Build Control Panel for Vertical Axis Wind Turbine at 700 RPM", Industrial Engineering Journal (UGC Care), Volume: 52, Issue 1, No. 1, ISSN: 0970-2555

Academic Year 2021-22

1. Prof. Sonali Pawar, Prof. A.S Nigde, Shainan Srivastava, Ekansh Gupta, "Dry Hand Washing Machine Using Fog Disinfection", IJSREM, July-21, volume no. 5, Issue No. 7, ISSN No- 2582-3930
2. Prof. S.K. Pawar, Prof. A.S. Nigade, Riya Singh, S.Akshay Subramanian, Shivam Bhardwaj, "Underground Cable Fault Detection Using Arduino" IJSREM, July-21, volume no. 5, Issue No. 7, ISSN No- 2582-3930
3. Mrs. A.S. Nigade, Mrs. S.K. Pawar, Abhijeet Banerjee, Nihar Das, Sanket Ghosh, "Processor using RISC-V ISA", IJSREM, July-21, volume no. 5, Issue No. 7, ISSN No- 2582-3930

Academic Year 2020-21

1. Mrs. A.S. Nigade, Mrs. S. K. Pawar, Ashutosh Kumar, Devesh Kumar, Yash Pandey "Arduino Based Fire Fighting Car", IJSREM, volume no. 4, Issue No. 6

Academic Year 2019-20

1. Mrs. S K Pawar, Mrs. A S Nigade, Shivam Harjai, Paarth Goel, Neeraj, "Generation of Electricity using Shoes (Building a smart shoe)", IRJET, volumeno. 7, Issue No. 5

Academic Year 2018-19

1. Mrs. S. K. Pawar, Mrs. A. S. Nigade, "Android Controlled Robot for Surveillance", JETIR, volume no. 6, Issue No. 5

2. Mrs. A. S. Nigade, Mrs. S. K. Pawar, “Artificial Intelligence and Its Trends”, JETIR, volume no. 6, Issue No. 5

Academic Year 2017-18

1. Sonali pawar, Anuradha Nigde, Abhinav Kumar, Ritvik Saxena , Shubendu, “Smart traffic light controller”, IJET, volume no. 4, Issue No. 6

Academic Year 2015-16

1. Vidya Khobare, Meena Chavan, AS Nigade, SK Pawar “Smart Real-Time pollution monitoring and controlling system using FPGA Spartan-6 and Android”, IJSETR, volume no. 5. Issue No. 6
2. Mrs. S. K. Pawar, “Automatic room light controller using microcontroller and visitor counter”, IJRET, Volume-5, Issue-6, ISSN No- 2319-1163, April2016
3. Sonali K.Pawar Aman Saran Lavesch Mulchandani Anant Pandey, “Inverter using SMPS (switch mode power supply)”IJCR, volume no. 8, Issue No.5

Academic Year 2014-15

1. Vipin Garg, Suramayam Tayal, Yogendra Singh Bora, Mrs. S. K. Pawar (2014) “Real time gesture recognition for cart movement”, IJESRT, Page No-1060-1062, ISSN No.-2277-9655
2. Mrs. S. K. Pawar, Prof. N. Srivastava, Ms. S. S. Pethkar, “RFID, GPS & Based vehicle tracing & employee security system”, IJARCSEE-2012 ISSN No.- 0975-8887
3. Atul Kumar, Prashant Singh, Amit Kumar, S. K. Pawar, (2014) “Speech Recognition based wheelchair using device switching”, IJETAE, page no- 391-393, ISSN No.- 2250-2458

Academic Year 2012-13

1. Mrs. S. K. Pawar, Prof. N. Srivastava, Ms. S. S. Pethkar, “RFID, GPS & Based vehicle tracing & employee security system”, IJARCSEE-2012 ISSN No.- 0975-8887
2. Mrs. S. K. Pawar, Dr. J. S. Chitode, Mrs. S. M. Khatavkar “Voice Operated Intelligent Wheelchair”, IJARCSSE-2013, Volume-3, Issue-5ISSN No.- 2277-9043
3. Mrs. S. K. Pawar, Prof. N. Srivastava, Ms. S. S. Pethkar, “GPS and GSM based vehicle tracing and employee security system”, IJCA-2013, ISSN No.- 0975 – 8887

Patents/ Copyright:

1. Title-Secret Key Management for Distributed Wireless Sensor Network, Application No.202211053605 A, Publication Date: 23/09/2022

Projects/ Achievements: