Faculty Profile

Name of Faculty : Mr. Sanjay Babasaheb Patil	
Designation : Associate Professor	
Qualification : M.E.(Electronics Engg.)	
Specialization : Embedded Systems, Microcontrollers	
Official Email ID: sbpatil.dypcet@dypgroup.edu.in	

Memberships	Life Member –Indian Society for Technical Education(ISTE):– LM-18344 Life Member- Institution of Engineers India(IEI):- M-141148-3
Courses Taught	- Embedded Systems - Open Elective-I (Sensor Technology) - Microcontrollers - System On Chip (SoC) - Data Structures & Algorithms - Digital System Design Using Verilog - VLSI Design - Real Time Embedded Systems
Roles and Responsibilities	- P.G. Coordinator - DRC Coordinator - Coordinator- Cypress Semiconductors Embedded Systems Lab

	- Lab In Charge- Embedded Systems - Module Coordinator- Programming Lab Stream - Criteria Coordinator- NBA Criteria-5 - Member- Internal Examination Evaluation Committee - Member-Department Advisory Board - Member- BOS, E & TC Engg. - Member – Mentoring Committee for NBA work of Department of Chemical Engg. - Member-Higher Education Club(Institute level) - Member-Students Welfare Committee(Institute level)
Research Contribution	- Total Research Paper Publications- 96 (till date) - Total Research Paper Publications (2020-21):-02 - Comparative Analysis 4:1 Multiplexer using TG gate at Nanometer Regime(Conference) in 6th International Conference for Convergence in Technology(I2CT)-Apr-2021 - Design and Implementation of IoT based Industrial Monitoring System (IEEE Conference)- June-2020 - Total Research Paper Publications (2021-22):- 01 - Parkison's Disease Detection using Machine Learning Algorithms: a brief review (Journal Paper)-Mar-2022 - Total Research Paper Publications (2022-23):- 03 - Role of Machine Learning Algorithms in Parkison's Disease Detection(Journal paper) in International Journal of Creative Research Thoughts(June-2023) - Autonomous Robot Spray(Journal paper) in International Journal of Advances in Engineering and Management (IJAEM)(May-2023) - Advanced Military Spying & Bomb Disposal Robot(Journal paper) in International Journal Of Innovative Research In Electrical, Electronics, Instrumentation And Control Engineering(June-2023)
FDP/Workshop Attended	- Total FDP/Workshops attended:- 43 (till date) - Total FDP/Workshops attended in 2020-21:- 02 - Patents, Copyrights & Trademarks(Workshop-2 Jan 2021) - Learn to Design your own Solar Home System (Workshop- 3 Jul 2020) - Total FDP/Workshops attended in 2021-22:-02 - Digital Electronics & Microprocessors(SWAYAM)-July 2021

	- Microprocessors & Microcontrollers(SWAYAM)- Aug-2021 - Total FDP/Workshops attended in 2022-23:-09 - Accreditation and Outcome based Learning(NPTEL- 8 Weeks)- Aug- Oct 2022 - Hardware Modelling Using Verilog(NPTEL- 8 –Weeks) Jul-Sept 2022 - Artificial Intelligence, Machine Learning & Applications(25 to 29 Jul 2022) - Amazon Web Services(22 to 27 Aug 2022) - Data Science and Chat GPT(15 May to 19 May 2023) - Data Science using Machine Learning(2 to 6 Jan 2023) - Emerging Technologies(1 to 14 Aug 2022) - Python,Data Science & Machine Learning(22 to 27 Aug 2022) - Recent Trends in Electrical, Electronics & Telecommunication Engineering(16 to 21 Aug 2022) - Total FDP/Workshops attended in 2023-24:- 03 - Data Structure using C Programming(SWAYAM)- Aug to Oct 2023 - NLP and ChatGPT APPLICATIONS (14 to 19 Aug 2023) - Cloud Infrastructure(AWS)- (21 to 25 Aug 2023)