

Faculty Profile

Name of Faculty: Dr. Pravin Bhimrao Desai		
Designation: Associate Professor		
Qualification: DIE, BE, Ph.D. (EE-AIML) Ph.D. in faculty of Electrical and Electronics Engineering Sciences, (Specialty Artificial Intelligence and Machine Learning) VTU State Technological University, Government of Karnataka. M.E. Electronics Engineering, DKTE Ichalkaranji, Dist. Kolhapur. B.E. Electronics Engineering, Walchand College of Engineering, Sangli Diploma in Industrial Electronics, Government Polytechnic, Kolhapur.		
Specialization: Embedded Systems, Microcontrollers, IOT, Signal Processing, Image Processing, Machine learning, Deep Learning		
Official Email: desaipravin.dypcet@dypgroup.edu.in dr.pravinbdesai@gmail.com		
Google Scholar : https://scholar.google.co.in/citations?user=KN9sQf8AAAAJ&hl=en		
Memberships	PG Teacher Approval, Shivaji University, Kolhapur Affiliation/T.5/VTD/12281, Dt 09/03/2016 Life Member of ISTE-LM 104162 Weights and Measures Govt. of India approval. National Instruments, USA CLAD Qualified Trainer	
Professional Experience	UGC Approved Faculty, Shivaji University Kolhapur, PG Approved Teacher, Teaching Experience: 10 Years Industrial Experience: 17 Years 2023 to till date Assistant Professor in CSE(AIML) Department, Rajarambapu Institute of Technology Rajaramnagar. 2020 to 2023 Microtech Systems (India)Pvt. Ltd, Narhe Industrial Estate, Pune 2018 -19 2014 to 2020 Ashokrao Mane Group of Institute, Vathar, Kolhapur PG Teacher Approval, Shivaji University, Kolhapur Affiliation/T.5/VTD/12281, Dt 09/03/2016	

	<p>2001 to 2011 Microtech Systems Pvt. Ltd, Karad</p> <p>1996-2001 Philips India Ltd. Pune</p>
Courses Taught	<ul style="list-style-type: none"> • Machine Learning • Deep Learning • IOT (Internet of Things) • Principles of Artificial Intelligence • Foundation of Artificial Intelligence • Web Mining • Computer Organization and architecture • Web Mining • Embedded Systems • EEDP
Roles and Responsibilities	<ul style="list-style-type: none"> • Research and Development
Research Contribution /IPR/Patents	<p>IPR: No. of Patents: 3, Trademark:1, Central govt Model Approvals :3, Innovative Products Design: 12, Seed Funding: 2, MSME funded :1</p> <p>Consultancy: IRG through Three days Lead College workshop on IOT and Cloud Computing Programming Workshop (₹4200/-) Hardware kits Automation of Crane Scales (₹3,25000)</p>

<p>Research Journal and Publications</p>	<p>[1] Pravin B. Desai, Dr. Y. K. Kanase, Dr. Chandrashekhar K. "Identification and Diagnosis of Cardiovascular Diseases using a Backpropagation Neural Network Combined with a Weight Tuning Using Logistic Regression” Neuro Quantology, Vol. No 20 Issue No. 13 pp.863-871, 2022. (Scopus Indexed). DOI: 10.14704/nq.2022.20.9.NQ88110</p> <p>[2] Pravin B. Desai, Dr. Y. K. Kanase, Dr. Chandrashekhar K. "Identification and Diagnosis of Cardiovascular Diseases using Optimized Neural Networks with Feature Level Fusion of ECG Signal” Advanced Engineering Science, Vol. No 54 Issue No. 02 pp.3703-3719, 2022. (Scopus Indexed). DOI: https://advancedengineering-science.com/article/441.html</p> <p>[3] Pravin B. Desai, Dr. Y. K. Kanase, "Design and development of pressure measuring system for venous leg ulcer treatment” International Conference on Communication and Signal Processing (ICCSP, Vol. No 20 Issue No April 6-8, pp.787-791, 2017. (IEEE Conference). DOI: 10.1109/ICCSP.2017.8286470.</p> <p>[4] Pravin B. Desai, IETE Conference on RF and Wireless, May 8-10, 2014, India “Voltage Scaling and Power Management Optimization Technique”.</p> <p>[5] Pravin B. Desai, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 5, Issue 8, August 2016, “Design and Development of Smart Security System for Bank Using ARM Controller”. (ISSN:2320 – 3765)</p> <p>[6] Pravin B. Desai, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 5 Issue 8, August 2016, “Image Steganography Using LSB Algorithm”. (ISSN:2320 – 3765)</p>
<p>FDP/Workshop Attended</p>	<ul style="list-style-type: none"> • Workshop on “Overall Personality Development” conducted under lead college activity, Shivaji University at AMGOI, Vathar.

	<ul style="list-style-type: none"> • Two day's FDP on "GUI Design and ARDUINO Interfacing in MATLAB" conducted under lead college activity, Shivaji University at Sanjay Ghodawat Group of Institution. • One-week STTP on "Preparation of Certified LabVIEW Associate Developer (CLAD) Examination" at AMGOI, Vathar. • One-week ISTE approved STTP on "Embedded System Design & Implementation using ARDUINO" at AMGOI, Vathar. • One day FDP on "Final Year Syllabus Formation of BE (E&TC)" conducted under lead college activity, Shivaji University at AMGOI, Vathar. • Two days FDP on "Graphical System Design in Engineering Education & Research" organized by NI LabVIEW academy E&TC department AMGOI, Vathar. • ISTE approved one week FDP on "Induction Training" at AMGOI, Vathar. • ISTE approved FDP on AR/VR at DYP CET
Guidance of Ph.D. and MTech students	<ul style="list-style-type: none"> • PG 6 Students • Shivaji University
Co-curricular Activities	<ol style="list-style-type: none"> 1. Worked as a Resource Person for ISTE approved workshop on Arduino at Bharati Vidyapeeth College of Engineering, Kolhapur. 2. Worked as a Resource Person for Lead College under workshop on "Design & Development LabVIEW application using Arduino Platform" at Ashokrao Mane Institute of Engineering, Vathar. 3. Worked as a Resource Person for Workshop on "Application of 8051 Microcontroller" at Ashokrao Mane Institute of Polytechnic, Ambap. 4. Worked as Project Coordinator for Final Year students Projects. 5. Participated in syllabus structure finalization workshop of BE (E&TC) at Ashokrao Mane Institute of Engineering, Vathar. <p>Worked as Coordinator for AICTE Idea Lab Approved Five days' workshop on Embedded C and Arduino</p>

	6. Shivaji University Kolhapur approved Three days skilling workshop on “Internet of Things and Cloud computing.” under Lead College activity
Extra-curricular Activities	<ol style="list-style-type: none"> 1. Worked as a Coordinator for One-week STTP on “<i>Preparation of Certified LabVIEW Associate Developer (CLAD) Exam</i>”. 2. Worked as a Coordinator for Two Days workshop on “<i>Graphical System Design In Engineering Education & Research</i>”. 3. Worked as a Coordinator for ISTE Approved workshop on “<i>Embedded System design and Implementation using Arduino</i>”. 4. Worked as a Coordinator for One day workshop on “<i>LabVIEW myDAQ, myRIO Application</i>”. 5. Worked as a Coordinator for One Day workshop on “<i>Design & Development of LabVIEW Application using Arduino Platform</i>”. 6. Worked as a coordinator for Annual Sports. 7. Worked as an internal & external examiner for practical oral examination.
University level Activities	<ul style="list-style-type: none"> • Worked as an internal & external examiner for practical oral examination. • Worked as an examiner in CAP for UG. • Worked as external Sr. Supervisor • Worked as Paper Setter. • Effort taken for students’ achievements • Worked as resource person for 3 days workshop at Bharti Vidyapeeth college of Engineering, Kolhapur. • Worked as resource person for One Day workshop on “<i>Design & Development of LabVIEW Application using Arduino Platform</i>” for BE student. • Conducted Gate oriented lectures for B.E. Class. • Organized expert lectures on Gate Exam Preparation. • Appreciation letter received / Honor received etc. give details • Honored a letter of appreciation by AMGOI Vathar for international conference Paper presentation in IEEE, • Invited as resource person for delivering a session on “<i>Advanced Embedded System</i>” for ISTE approved STTP at E&TC

	<p>department of Bharti Vidyapeeth College of Engineering, Kolhapur.</p> <ul style="list-style-type: none">• Honored a letter of appreciation by AMGOI Vathar for grateful work for College Magazine. <p>Honored a letter of appreciation by E&TC Dept. of AMGOI Vathar for efforts taken towards</p>
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