

INDIVIDUAL PROFILE



PERSONAL DETAILS:

Name : Dr. Chandrakant Balkrishna Patil
M.Sc. Electronics, Ph.D., SET
Date of Birth : 3rd Dec 1970
Date of Appointment : 16-8-1993
Designation : Associate Professor
Institute : Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Empowered Autonomous)
E-mail ID : patilcb.ele@gmail.com
Mobile No. : 9922049750
Permanent Address : "SHRADDHA" Plot No.68, Yashwantrao Chavan colony,
A/P- Ujalaiwadi, Tal- Karveer, Dist.-Kolhapur 416004

ACADEMIC QUALIFICATION:

| Qualification | University/Board | Year of Passing | Percentage (%) | Subjects |
|---------------|--------------------|-----------------|----------------|-------------|
| B.Sc. | Shivaji University | 1991 | 70.00 | Electronics |
| M.Sc. | Shivaji University | 1993 | 62.05 | Electronics |
| Ph.D. | Shivaji University | 2019 | Awarded | Electronics |
| SET | Pune University | 2021 | Qualified | Electronics |

TEACHING EXPERIENCE:

| Institution | Designation | Duration | Experience |
|---|---|---------------------------|------------|
| Shikshanmaharshi Dr. Bapuji Salunkhe Mahavidhyalay, Miraj | Lecturer | 16-08-93 to 06-08-94 | 1 Year |
| Arts, Science and Commerce College, Ichalkaranji | Lecturer , Assistant Professor, Associate Professor | 24-08-94 to 11-11-2021 | 28 Year |
| Vivekanand College, Kolhapur | Associate Professor | 12-11-2021 till date | 1 Year |

PROFESSIONAL TRAININGS:

| Title | University | Duration |
|------------------|------------|-----------------------|
| Orientation | Pune | 1 Mar to 28 Mar 2005 |
| Refresher course | Goa | 30 Mar to 19 Apr 2009 |
| Refresher course | Mumbai | 31 Jan to 18 Feb 2011 |
| Refresher course | Pune | 8 Nov to 28 Nov 2011 |

ADMINISTRATIVE EXPERIENCE:

- Head Department of Electronics(12-11-2021 onwards)
- Nodal officer, NEP(National Education Policy) Implementation Cell, Vivekanand College, Kolhapur.(2023-onwards)
- Member, NEP(National Education Policy) Implementation Cell, Shivaji University, Kolhapur (2023-onwards)

- Chairman, BoS in Electronics, Vivekanand College, Kolhapur(2021 onwards)
- Member, BoS in Electronics, Vivekanand College, Kolhapur(AY 2018-19 onwards)
- Member, BoS Sub-committee in Electronics, Shivaji University, Kolhapur (AY 2018-19 onwards)
- Coordinator, RUSA(Rashtriya Uchchar Shiksha Abhiyan) proposals and Fund utilization Committee, Vivekanand College, Kolhapur(15-11-2021 onwards)
- Chairman, Lapses Committee, Vivekanand College , Kolhapur.(5-1-23 onwards)
- Member, BoE (Board of Examination), Vivekanand College , Kolhapur.(28-3-23 onwards)
- Member, Academic Council , Vivekanand College , Kolhapur (2021 onwards)
- Chairman, Technical Committee, Vivekanand College , Kolhapur (18-01-2023 onwards)
- Member, PM-USHA Project Monitoring Unit (PMU), Vivekanand College , Kolhapur (2023 onwards)
- Convener Time-Table Committee, Vivekanand College , Kolhapur (2021 onwards)
- Admission Committee-B.Sc. II, Vivekanand College , Kolhapur (2021 onwards)
- Coordinator, COC Arduino, Vivekanand College, Kolhapur(Autonomous)
- Coordinator, UGC- Correspondence, Proposals and Grant Utilizations Committee, DKASC College, Ichalkaranji [2010-2015]
- Coordinator, COC- Information and Computer Basics, DKASC College, Ichalkaranji [2010-2014]
- Convener, Criteria-I, NAAC Steering Committee IQAC, DKASC College, Ichalkaranji[2018-2021]
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Seminars\ Conferences\Symposia\Workshops\Webinars attended

| Sr. No. | Name of Seminar /Workshops attended | Date | Venue |
|---------|--|-------------------------------|--|
| 1 | One day workshop in Physics and Electronics | 11 th Feb 1997 | A.S.C. College, Ichalkaranji |
| 2 | Training program on C programming | 16-18 Oct 2002 | Shivaji University |
| 3 | Workshop on B.Sc.II syllabus | 21-22 Aug. 2004 | Y.C.I. of science Satara |
| 4 | Workshop for Science Teachers | 17 th Oct 2004 | Dr. Bapuji Salunkhe Mahavidyalay Miraj |
| 5 | Seminar on draft syllabus of B.Sc.III | 9 th Jan 2005. | Vivekanand College, Kolhapur. |
| 6 | Workshop on B.Sc.III syllabus | 13-17 Oct 2005 | Shivaji University |
| 7 | B.Sc. Electronics Students Meet-2006 | 10 th Feb 2006 | Shivaji University |
| 8 | One day Lecture series B.Sc.II | 8 th Oct 2006. | Vivekanand College, Kolhapur. |
| 9 | One day Lecture solid state devices– B.Sc.I | 17 Dec 2006 | New College, Kolhapur |
| 10 | Workshop on microcontroller based projects | 19 th Dec 2008 | New College, Kolhapur |
| 11 | Workshop on VHDL Programming | 13 th Jan 2010 | New College, Kolhapur |
| 12 | Workshop on Solar Radio | 23-25 th Nov 2011 | NCRA and TIFR Pune |
| 13 | State level seminar on Role of IQAC in Quality Enhancement of Higher Education | 23 rd Dec 2011 | D.K.A.S.C. College, Ichalkaranji |
| 14 | National Level Symposium | 18-20 Feb 2012 | Dr.Daulatrao Aher College of Engineering, Karad |
| 15 | Workshop on ‘UGC API Score System’ | 18 th Mar,2012 | Shivaji University |
| 16 | National Conference on ‘Bio-diversity conservation for Livelihood’ | 14-15 th Dec. 2012 | D.K.A.S.C.College, Ichalkaranji |
| 17 | State Level Seminar on ‘Recent Developments In Embedded Technologies | 21-22 nd Dec2012 | Karmaveer Bhaurao Patil Mahavidhyalay Pandharpur |
| 18 | National Conference on ‘Emerging Technologies for Sustainable Developments’ | 27-28 th Dec 2012 | Shivaji University, Kolhapur |
| 19 | Workshop on ‘Preparation of Research proposal and Synopsis’ | 22 nd Jan,2013 | D.K.A.S.C.College, Ichalkaranji |

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| 20 | workshop on 'Women and human Duties' | 31 st Jan 2013 | Vivekanand College, Kolhapur |
| 21 | workshop on 'Contribution of women in different fields' | 28 th Feb 2013 | Rajaram College, Kolhapur |
| 22 | workshop on 'Use of Computers in Data Analysis' | 20 th March 2013 | Vivekanand College, Kolhapur |
| 23 | workshop on 'Advance Topics in Electronics' | 21 st March 2013 | Gopal Krishna Gokhale College, Kolhapur |
| 24 | workshop on 'Preparation of Pension Papers and Paperless correspondance' | 30 th March 2013 | D.K.A.S.C.College, Ichalkaranji |
| 25 | workshop on 'Online entrance Examination Paper setting training programme' | 26 th April 2013 | Shivaji University, Kolhapur |
| 26 | Private Universities and Quality of Higher Education | 6 th Oct 2013 | SUTA, Kolhapur |
| 27 | Workshop on 'Soft Skill Development' | 4-5 th Feb, 2014 | D.K.A.S.C.College, Ichalkaranji |
| 28 | National Conference on 'Latest Advances, Trends in Electronic Science and Technology' | 14-15th Feb,2014 | Shivaji University Kolhapur |
| 29 | Five days training workshop on "Architecture, Programming and Application of Microcontroller 8051" | 19 th - 23 rd Aug 2014 | Shivaji University Kolhapur |
| 30 | National Conference on Modern Approach for Green Electronics and Computing | 29- 30 th sept 2014 | Y. C. I. of Science, Satara |
| 31 | UGC sponsored Two Day National Conference on 'Nano Materials and Nano Materials Based Devices' | 23rd- 24 th Dec 2014 | D.K.A.S.C. College,Ichalkaranji |
| 32 | National Conference on Emerging Trends in Electronics and Computer Science | 13- 14 th Feb 2015 | Shivaji University, Kolhapur |
| 33 | A One Day Workshop on Revised Syllabus of B.Sc. Part -3 , Electronics | 23 rd Aug 2015 | Vivekanand College, Kolhapur |
| 34 | A One Day Workshop on Revised Syllabus of B.Sc. Part -3 , Electronics | 12 th sept 2015 | Rajaram College, Kolhapur |
| 35 | National Conference on Emerging Trends in Electronics | 9 th Feb 2016 | Shivaji University, Kolhapur |
| 36 | National Science Day 2016 on Make in India –"S & T Driven Innovations" | 28 th Feb 2016 | Shivaji University, Kolhapur |
| 37 | State Level Workshop on Arduino | 28 th Jan 2017 | Sadguru Gadage Maharaj College, Karad |
| 38 | The Master classes on Meditation | 1 st – 3 rd Feb 2017 | Shivaji University, Kolhapur |
| 39 | National Conference on Innovative Trends in Electronics and Allied Technology | 23 rd Feb 2017 | Y.C.I. of Science, Satara |
| 40 | Two Days National Workshop on Big Data Analytics with Hadoop | 5 th – 6 th April 2017 | Shivaji University, Kolhapur |
| 41 | One Day State Level Seminar on 'AQAR and Academic and Administrative Audit' | 28 th Dec 2018 | D.K.A.S.C.College, Ichalkaranji |
| 42 | One Day Workshop on Detection of Food Adulteration | 16 rd Jan 2019 | D.K.A.S.C.College, Ichalkaranji |
| 43 | Exhibition on Wealth of Fungi in Kolhapur District | 28 th Feb 2019 | D.K.A.S.C.College, Ichalkaranji |
| 44 | One Day Workshop on Developing Soft Skills | 28 th Dec 2019 | D.K.A.S.C.College, Ichalkaranji |
| 45 | One Day Workshop on Best Citizens & Their Rights | 3 rd Jan 2020 | D.K.A.S.C.College, Ichalkaranji |
| 46 | One Day Workshop on Application of GIS, GPS & Remote Sensing | 7 th Jan 2020 | D.K.A.S.C.College, Ichalkaranji |
| 47 | One Day Workshop on Disaster Management | 10 th Feb 2020 | D.K.A.S.C.College, Ichalkaranji |
| 48 | Webinar on e-content development | 10 th Apr 2020 | Research Centre for English Language and Literature |
| 49 | Webinar on Google Classroom | 18 th Apr 2020 | Knowledge Publications and Chemtoons YouTubeChannel |
| 50 | Webinar on IEEE 802.11 and Building Wireless Community Networks | 22 nd May 2020 | Faculty Development Centre in Cyber security |

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| | | | & Data Science, Shivaji University, Kolhapur |
| 51 | Webinar on Development of Deep Learning Architecture | 25 th May 2020 | PANTECH SOLUTIONS |
| 52 | 1 days National Webinar on Cloud Computing & Job Opportunities | 26 th May 2020 | MMIT |
| 53 | 2 days Webinar on Cyber Security and Embedded System | 26 th -27 th May 2020 | JEPPIAAR Institute of Technology |
| 54 | 2 days National Webinar on Fuzzy Set Theory & Applications | 29 th -30 th May 2020 | Patrician College of Arts & Science Chennai |
| 55 | National level Webinar on Innovating Education and Education for Innovation | 30 th May 2020 | P.U.Education Service |
| 56 | Webinar on Conversational BOT Design | 30 th May 2020 | PANTECH SOLUTIONS |
| 57 | 1 days National workshop on 1010th | 1 st Jun 2020 | IIRS |
| 58 | 1 days National Webinar on Role of AYUSH in mitigating COVID-19 & Life after Corona | 3 rd Jun 2020 | HSNC University, Mumbai, Kisshinchand Chellarran College |
| 59 | Webinar on Brain controlled ROBOT Design | 6 th Jun 2020 | PANTECH SOLUTIONS |
| 60 | 1 days International Webinar on Nano materials for Smart and Sustainable Energy | 8 th Jun 2020 | Mahatma Phule Arts, Science and Commerce College, Panvel |
| 61 | 1 days National Webinar on Digital Transformation: A Progressive Approach | 9 th Jun 2020 | Rajarshi Shahu Mahavidhyala Latur |
| 62 | 1 days International Webinar on Pandemic: A Personal, Educational and Economic Revolution | 10 th Jun 2020 | P.U.Education Service |
| 63 | 1 days International Webinar on Role of Psychology to fight against COVID-19 Pandemic | 12 th Jun 2020 | Mahatma Phule Arts, Science and Commerce College, Panvel |
| 64 | 1 days National Webinar on Emerging Technologies & next generation Libraries | 13 th Jun 2020 | Dr. Tatyassaheb Natu College of Arts & Commerce, Margtamhane |
| 65 | 1 days National Webinar on Internet of Things using Arduino | 16 th Jun 2020 | Dr. Shyama Prasad Mukherji University in association with PANTECH SOLUTIONS |
| 66 | Webinar on Internet of Things using NodeMCU | 23 th Jun 2020 | Shiv Kumar Singh Institute of Technology and Science in association with PANTECH |
| 67 | 1 days National Webinar on How to conduct Virtual Labs | 24 th Jun 2020 | Dept. of E&TC, AISSSMS |
| 68 | Webinar on Design of Brain controlled Applications | 26 th Jun 2020 | PANTECH SOLUTIONS & NIT, Jalandhar |
| 69 | National Webinar on Effective Online Teaching Learning Process for Outcome based Education | 26 th Jun 2020 | Jaihind College, Kuran(Pune) |
| 70 | Webinar on Face Recognition using Deep Learning | 30 th Jun 2020 | PANTECH SOLUTIONS & BITS, Warangal |
| 71 | 1 days National Webinar on Intellectual Property Rights | 2 nd July 2020 | Lokmanya Mahavidhyalaya, Warora. Chandrapur |
| 72 | 2 days National Webinar on Google Apps for Evaluation and Moodle | 2 nd - 3 rd July 2020 | Rajaram College, Kolhapur |
| 73 | Webinar on Choosing the right Processor for embedded Application | 13 th Aug 2020 | KL Deemed University |
| 74 | Webinar on Hardware Security | 18 th Aug 2020 | KL Deemed University |
| 75 | Webinar on Solar PV system using MATLAB | 19 th Aug 2020 | Oriental Institute of |

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| | | | Science and Technology, Bhopal |
| 76 | Webinar on Future role of Power Electronics in Industrial Automation | 26 th Aug 2020 | Sri Ramkrishna Engineering College, Coimbatore |
| 77 | e_Seminar on Recent Technological Trends in Electronics | 27 th Aug 2020 | Krishna Mahavidhyalaya, Karad |
| 78 | Webinar on COVID-19 and Social, Educational and Economical Changes in | 27 th Aug 2020 | Shri Vijaysinha Yadav College, Peth Vadgaon |
| 79 | Webinar on Role of Maths & Computer Science in Artificial Intelligence and Machine Learning | 31 st Aug 2020 | Krishna Mahavidhyalaya, Karad |
| 80 | One Day State Level Webinar COVID-19 and its impact on Social relationship | 1 st Sept 2020 | Sambhajirao Kendre Mahavidhyalaya, Jalgot |
| 81 | One Day National e-Conference on Socialism and Indian Economy in 21st Century | 17 th Sept 2020 | Smt. Meenaben Mehta College, Panchgani |
| 82 | Webinar on Career Opportunities in Electronics | 19 th Sept 2020 | Willingdon College, Sangli |
| 83 | Webinar on Consumerism & Financial Literacy | 21 st Sept 2020 | Consumer Guidance Society of India |
| 84 | National Webinar on IoTs in Electronic Biomedical Instrumentation | 3 rd Nov 2020 | KBP Mahavidhyalaya, Pandharpur |
| 85 | National Webinar on Research: How and Why? | 7 th Nov 2020 | Pillai HOC College of Engineering and Technology, Rasayani |
| 86 | National Webinar on IoTs in Electronic Biomedical Instrumentation | 3 rd Nov 2020 | KBP Mahavidhyalaya, Pandharpur |
| 87 | Webinar on Science Direct: Read Quality –Publish Quality | 18 th Dec 2020 | KPR Institute and ELSEVIER |
| 88 | National Seminar on Understanding National Education Policy-2020 | 26 th Dec 2020 | Vivekanand College, Kolhapur |
| 89 | Webinar on Fuzzy Logic for Fundamental Research | 22 nd Jan 2021 | D.K.A.S.C.College, Ichalkaranji |
| 90 | One Day Online workshop on B.Sc. III Electronics Syllabus | 30 th Jan 2021 | YC College of Science, Karad |
| 91 | National workshop ‘Understanding Patriarchy and Gender: Introduction to Feminist Thinkers/Thought’ | 18 th to 22 nd May 2021 | D.K.A.S.C.College, Ichalkaranji |
| 92 | A national Conclave on Challenges in the implementation of NEP-2020 at HE | 4 th Dec 2021 | Vivekanand College, Kolhapur |
| 93 | A state level Webinar on Nutrition as an Immunity Booster | 11 th Dec 2021 | Vivekanand College, Kolhapur |
| 94 | One Day National Webinar on Climate Change: Issues and Challenges | 17 th Dec 2021 | Vivekanand College, Kolhapur |
| 95 | Industry Automation Summit & IIoT Exhibition | 20 th Dec 2021 | SIBIC Incubation Centre, Kolhapur |
| 96 | One Day International Conference on Recent Trends in Science & Technology | 29 th June 2022 | Willingdon College, Sangli |
| 97 | Innovation Hackathon-2023 | 14 th March 2023 | Rajaram College, Kolhapur |
| 98 | IP Awareness-Training Program | 16 th March 2023 | NiPAM |
| 99 | | | |
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FACULTY DEVELOPMENT PROGRAMS (FDP) attended:

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|----|--|---|---|--|
| 1 | 7 Days Online Faculty Development Program | Scilab | 1/5/2020 to 7/5/2020 | Rajarshi Shahu Mahavidhyala Latur |
| 2 | 3 Days Online Faculty Development Program | eSim | 14/5/2020 to 16/5/2020 | School of Computer Science & Engineering, Vellore Institute of Technology |
| 3 | 1 week Faculty Development Program | Arduino | 19/5/2020 to 24/5/2020 | Jaihind College, Kuran(Pune) |
| 4 | 2 Days Online Faculty Development Program | Cyber Security and Embedded System | 26/5/2020 to 27/5/2020 | JEPPIAAR Institute of Technology |
| 5 | Instructor-Led Live Online One Week Faculty Development Workshop | ICT Tools for Effective Teaching Learning and Administration | 26/5/2020 to 31/5/2020 | YCIS, satara |
| 6 | 2 Days National Webinar | Fuzzy Set Theory & Applications | 29/5/2020 to 30/5/2020 | Patrician College of Arts & Science Chennai |
| 7 | 5 Days National Level Faculty Development Program | Evolution from Offline to Online | 30/5/2020 to 3/6/2020 | Satish Pradhan Dnyansadhana College, Thane |
| 8 | 2 Days Online Faculty Development Program | Research Methodology | 1/6/2020 to 2/6/2020 | JEPPIAAR Institute of Technology |
| 9 | 1 week National Level Faculty Development Program | e-content development | 5/6/2020 to 10/5/2020 | Shri Pancham Khemraj Mahavidhyala, Sawantwadi |
| 10 | 3 Days National Webinar | IPR & e-content development | 8/6/2020 to 10/6/2020 | Rajaram College, Kolhapur |
| 11 | 3 Days National FDP | Data Science with PYTHON | 12/6/2020 to 14/6/2020 | K.W.College, Sangli |
| 12 | 6 Days Online Faculty Development Program | Educational Video Creation | 12/6/2020 to 18/6/2021 | Rashtrapita Mahatma Gandhi Arts, Commerce & Science College, Saoli, Dist:Chandrapur |
| 13 | 5 Days International Online Faculty Development Program | Gateway to Innovation | 22-26 June 2020 | I.C.S.College, Khed, Ratnagiri |
| 14 | 1 Month Class | MATLAB Master Class | 1/9/2020 to 30/9/2020 | IETE Mumbai |
| 15 | International Online Workshop | Fuzzy Set Theory & Applications | 25/9/2020 to 29/9/2020 | Manipal University, Jaipur |
| 16 | 1 week AICTE sponsored online STTP | Advances in Power Electronics to Renewable Energy Systems and E-Mobility Applications | 7/11/2020 to 12/11/2020 | Anurag University, Hyderabad |
| 17 | RUSA sponsored FDP | Radio Transmission Antennas | 10 th March 2022 | Vivekanand College Kolhapur (Autonomous) |
| 18 | MS-DEED Level 1 In-Person Workshop | Introduction to Innovative Pedagogies for UG Teachers | 4 th to 6 th Nov 2022 | Maharashtra State Faculty Development Academy Pune in collaboration with Indian Institute of Science Education and Research Pune at Vivekanand College |

RESEARCH ACTIVITY:

Ph.D. work:

Title of Thesis: “**Design and Implementation of Genetic Fuzzy Control Algorithm for Air conditioning System**”

Papers Presented at Seminars/Conferences:

- 1) C.B.Patil, P.B.Mattikalli, R.R.Mudholkar
“DESIGN AND IMPLEMENTATION OF A SWITCHING SYSTEM FOR CONTROLLING ELECTRIC HOME AND OFFICE APPLIANCES USING CELL PHONE WITH INTERACTIVE VOICE RESPONSE TECHNIQUE” at UGC sponsored State Level Seminar on ‘Recent Developments In Embedded Technologies, organized by Karmaveer Bhaurao Patil Mahavidhyalaya Pandharpur on 21-22nd Dec 2012.
- 2) C.B.Patil, S.S.Nirmale, R.R.Mudholkar
“FUZZY LOGIC FOR TEMPERATURE CONTROL IN BUILDINGS” at National Conference on ‘Emerging Technologies for Sustainable Developments’ organized by Dept. of Technology, Shivaji University on 27-28th Dec 2012.
- 3) S.R.Potdar, C.B.Patil, R.R.Mudholkar
“Role of ICT in Teaching Learning Process: a SWOT Analysis” at Interdisciplinary National Conference on Information and Communication Technology for Education (ICTE-2013) organized by Department of Education and Electronics, Shivaji University, Kolhapur (4-5 March 2013)
- 4) C.B.Patil, S.R. Potdar, R.R.Mudholkar
“Fuzzy Logic Building Temperature Modeling and Control” at National Conference on ‘Latest Advances, Trends in Electronic Science and Technology’ organized by Department of Electronics, Shivaji University, Kolhapur on 14-15th Feb, 2014.
- 5) K.D.Atar , R.R. Mudholkar ,C.B.Patil
“Fuzzy Controlled Dual Loop Exhaust Gas Recirculation Techniques” at National Conference on Modern Approach for Green Electronics and Computing (MAGEC-2014) held at Department of Electronics, Yashvantrao Chavan Institute of Science, Satara on 29-30 Sept 2014.
- 6) S.S.Nirmale, C.B.Patil, T.R.Kumbhar, R.R.Mudholkar
“PID Controlled Extruder Screw Speed of Wire Coating Extrusion process” at National Conference on Modern Approach for Green Electronics and Computing (MAGEC-2014) held at Department of Electronics, Yashvantrao Chavan Institute of Science, Satara on 29-30 Sept 2014
- 7) S.R.Potdar, C.B.Patil, R.R.Mudholkar
“Greenhouse Temperature Modelling and Control with Fuzzy Logic” held at National Conference on Emerging Trends in Electronics and Computer Science (ETECS-2015)
Organized by Department of Electronics and Computer Science, Shivaji University Kolhapur on 13-14 Feb, 2015.
- 8) C.B.Patil, A.D.Attar, S.R.Potdar, R.R.Mudholkar
“Thermal modeling of prototypical Room” at National Conference on Emerging Trends in Electronics (NCETE-2016) held at Department of Electronics, Shivaji University Kolhapur on 09 Feb 2016.
- 9) R.R.Mudholkar, Rachana R. Mudholkar, C.B.Patil, S.R. Potdar
“Simplified FIS design using SIMULINK”, at National Conference on Emerging Trends in Electronics (NCETE-2016) held at Department of Electronics, Shivaji University Kolhapur on 09 Feb 2016.
- 10) S. R. Potdar, C. B. Patil, R. R. Mudholkar
“Simulation Study of Effect of Forced Ventilation on Greenhouse Humidity” at National Conference on Emerging Trends in Electronics (NCETE-2016) held at Department of Electronics, Shivaji University Kolhapur on 09 Feb 2016.

Papers Presented at Journals and Proceedings:

| Sr. No | Title of the Paper | Name of the Authors | Department of Teacher | Name of the Journal | Year of Publication | ISSN / ISSN No. | Impact Factor |
|--------|--|--|-----------------------|---|--|--|--|
| 1 | Thermal Modeling and Fuzzy Logic Temperature Controller for Prototypical Room | Mr. C. B. PATIL , Mr. K.D.Atar Mr. S.R.Potdar, Dr. R.R.Mudholkar | Electronics | International Journal of Engineering Trends and Technology (IJETT), vol.36, No.8, pp. 432-438, | June 2016 http://www.ijettjournal.org | ISSN: 2231-5381 | |
| 2 | THERMAL MODELING OF AIRCONDITIONED PROTOTYPE ROOM USING MATLAB-SIMULINK | Mr. C. B. PATIL , Mr. S.R.Potdar, Dr. R.R.Mudholkar | Electronics | International Journal of Engineering Science and Technology (IJEST) , vol. 9, no.9, pp. 901-907, | Sep 2017 https://www.ijest.info/ | ISSN : 0975-5462 | IC Value in 2009: 3.03 , IC Value in 2010: 3.14, |
| 3 | PIC 16F877A BASED IMPLEMENTATION OF FUZZY CONTROL ALGORITHM FOR SPLIT AIR-CONDITIONING SYSTEM | Mr. C. B. PATIL , Mr. S.R.Potdar, Dr. R.R.Mudholkar | Electronics | International Journal of Latest Trends in Engineering and Technology (IJLTET), vol. 9, no.02, pp. 87-94. An ISO 9001:2008 Certified Journal | May 2017 https://www.ijltet.org/ | ISSN : 2278-621X (online), 2319-3778 (Print) | Global Impact Factor = 0.685/1, Index Copernicus, ICV = 77.02/100, Cosmos Impact Factor = 4.490/10 |
| 4 | SIMULATION STUDY OF UNHEATED GREENHOUSE ENVIRONMENT UNDER SHADING AND VENTILATION | Mr. S.R.Potdar, Mr. C. B. PATIL , Dr. R.R.Mudholkar | Electronics | International Journal of Engineering Science and Technology (IJEST) , vol. 9, no.05, pp. 319-328 | May 2017 https://www.ijest.info/ | ISSN : 0975-5462 | IC Value in 2009: 3.03 , IC Value in 2010: 3.14 |
| 5 | Greenhouse Air-Temperature Modelling and Fuzzy Logic Control | Mr. S.R.Potdar, Mr. C. B. PATIL , Dr. R.R.Mudholkar | Electronics | International Journal of Electronics Engineering Research (IJEER), vol.9, No. 5, pp. 727-734. Research India Publications | 2017 ijeerv9n509.pdf ripublication.com | ISSN: 0975-6450 | ----- |
| 6 | Design and Implementation of Fuzzy Logic Controller for Split Air-conditioner system to simultaneous control of Temperature and Humidity | Mr. C. B. PATIL , Dr. R.R.Mudholkar | Electronics | Journal of Emerging Technologies and Innovative Research (JETIR) Volume 6, Issue 3, pp. 87-93 | March 2019 http://www.jetir.org/papers/JETIR1903D18.pdf | ISSN - 2349-5162 | 5.87 |

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|----|---|--|-------------|---|---|------------------------------|------------|
| 7 | Design and Implementation of Genetic Fuzzy Controller for Split Air-conditioner Control Based on Fanger's PMV Index | Mr. C. B. PATIL, Dr. R.R.Mudholkar | Electronics | International Journal of Air-Conditioning and Refrigeration(IJA CR) Vol. 27, No. 3 (2019) 1950036 (12 pages) © World Scientific Publishing Company DOI: 10.1142/S2010132519500366 | Nov 2019 https://www.worldscientific.com/doi/10.1142/S2010132519500366 | ISSN: 2010-1325 | ---- |
| 8 | Optimization of Fuzzy Logic Controller using Genetic Algorithm: a simulation study on Greenhouse climate control system | S. R. Potdar , R. R. Mudholkar , V. B. Gaikwad , C. B. Patil , G.B. Jirge | Electronics | Journal of Information and Computational Science Volume 11 Issue 7 - 2021 Pages : 446-473 | 2021 DOI:10.12733.JIC.S.2021.V11I7.53569.34957 | ISSN: 1548-7741 | |
| 9 | Fuzzy algorithm implementation in microcontroller for DC motor control | K. D. Atar , C. B. Patil , R. R. Mudholkar | Electronics | International Journal of Engineering, Science and Technology Vol. 13, No. 3, 2021, pp. 1-9 | June 2021 DOI: http://dx.doi.org/10.4314/ijest.v13i3.1 | | |
| 10 | FPGA based Data Acquisition System for Machine Tool Spindle | P. S. Jadhav, C. B. Patil , G. B. Jirage, R. R. Mudholkar | Electronics | International Journal of Innovative Science and Research Technology Vol.8,No.5, 2023,pp.2599-2604 | May 2023 https://doi.org/10.5281/zenodo.8021466 | ISSN No:- 2456-2165 | |
| 11 | Design and Simulation of Fuzzy Logic Based Temperature Controller for Machine Tool Spindle | P. S. Jadhav, C. B. Patil , G. B. Jirage, R. R. Mudholkar | Electronics | Recent Trends in Science and Technology- Electronics (EL) pp:3.16-3.22 (E-book) | | ISBN 978-81-948061-9-6, 2022 | Proceeding |

Publications of Books:

| Sr. No. | Subject | Author/s | Title | Class | Publisher | Year | With ISBN |
|---------|-------------|---|--|------------------------|---------------------|--------------|-------------------|
| 1 | Electronics | Dr. V. C. Mahajan Mr. C. B. Patil Mr. S. R. Ghatage Mr. S. V. Gaikwad Mr. S. K. Rathod Mr. D. M. Panhalkar | Paper –IV, Electronic Circuits | B.Sc. II Sem.- III, | Nirali Prakashan | Oct 2014 | 978-93-89406-19-1 |
| 2 | Electronics | Dr. M. D. Hanamane Dr. C. B. Patil Dr. P. M. Kadam Dr. P.U. Lande | Paper –IV Introduction to Microprocessor 8085 | B.Sc. II Sem.- III, | Nirali Prakashan | Jul 2019 | 978-93-89406-19-1 |
| 3 | Electronics | Dr. C. B. Patil Dr. P.U. Lande | Experimental Electronics | B.Sc. III | Nirali Prakashan | June 2022 | 978-93-5451-575-0 |
| 4 | Electronics | Dr. C. B. Patil | Analog | B. Sc.I | Nirali | Oct | 978-93-95951- |

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|---|-------------|---|---|--------|---------------------|-------------|-----------------------|
| | | Mr. P. R. Bagade Mr. N. P. Mote Dr. M. S. Patil | Electronics | Sem.-I | Prakashan | 2022 | 11-1 |
| 5 | Electronics | Dr. C. B. Patil Mr. N. P. Mote Dr. P. S. Jadhav Mr. G. B. Jirage | A laboratory workbook of Practical Electronics | B.Sc.I | Nirali Prakashan | Nov 2022 | 978-93-95951- 01-2 |

Co- Curricular and Extra-Curricular Activities:

1. Worked as a Reviewer and judge for articles for National Web Conference on **“Emerging Trends in Science, Technology and Smart Computing (ETSTSC-2021)”** Jointly organized by Departments of Electronics, Physics and Computer Science, Deccan Education Society’s Willingdon College, Sangli, on 5th March 2021
2. Convener: Workshop on ‘Preparation of Research proposals and synopsis’ under Lead College Activity on 22nd Jan 2013. DKASC College, Ichalkaranji
3. Convener: Webinar on Fuzzy Logic for Fundamental Research’ held on Friday, 22nd January, 2021, DKASC College, Ichalkaranji
4. Convener: Workshop on “Radio Transmission Antennas” organized by department of Electronics, Vivekanand College Kolhapur (Autonomous), RUSA sponsored, 10th March 2022.
5. worked as University Subject Expert, Shivaji University, Kolhapur
6. worked as member of Expert committee, Shivaji University, Kolhapur
7. Team Manager for Research Project Competition ‘Avishkar’, DKASC College, Ichalkaranji [2012-13],[2013-14]
8. Resource Person for NET Workshop
- 9.

Rewards and Awards

1. Best paper- 2nd Rank National Conference on Innovative Trends in Electronics and Allied Technology, Y.C.I. of Science, Satara 23 Feb. 2017
2. Quiz Topper Certificate: 3 Day Online FDP on eSim organized by, Vellore Institute of Technology, Chennai [14th May to 16th May 2020]
- 3.

COMPUTER LITERACY:

MS-Office, Matlab, C, Simulation Software’s – Pinnacle, Keil, Micro C, PSIM, Proteus

Declaration

I hereby declare that, the particulars mentioned above are correct up to the best of my knowledge and belief.

Date:

Place: Kolhapur

(Dr. C. B. Patil)