



Manoj Ashok Mechkul

Assistant Professor, E&TC Department.

M.E. Electronics

Mechkul.macoe@snjb.org

Area of Interest(s): PLC Automation

Education:

- M.E (Electronics), JNEC, BAMU, Aurangabad
- B.E (Instrumentation), NMU University

Experience:

- Assistant Professor SNJB's K.B. Jain College of Engineering, Chandwad, since 1st July 2006.
- Software Development Engineer, Vega Controls Pvt. Ltd Pune 15th Feb 2006 to 21st June 2006
- Project Engineer, Cybernetik Technology Pvt.Ltd.Pune.1st July 2003 to 9th Feb 2006

Research Publications:

International Journal:

- Manoj A. Mechkul, B. T. Deshmukh "Solar Panel Efficiency Improvement", IJEEER,ISBN:2250X-115X,3.756
- Manoj A. Mechkul, B. T. Deshmukh "Fresnel Lens & Tracking" , IJECET,ISBN:0976-6464-0976-6472
- Shirsat Shashikant, Mechkul M.A. "Adaptive Front Light System", IOSR Journal of Electronics and Communication Engineering, e-ISSN: 2278-2834, p-ISSN: 2278-8735 PP 05-09
- Mr. Shashikant D. Shirsat, Mr. M.A.Mechkul, Dr.Abhay Wagh, "FPGA based Adaptive Front Light System (AFLS)"International Journal of Modern Trends in Engineering and Research, e-ISSN No.:2349-9745, Date: 2-4 July, 2015
- Mr. Shashikant D. Shirsat, Mr. M.A.Mechkul, Dr.Abhay Wagh, "Adaptive Front Light System (AFLS)"IJSRD - International Journal for Scientific Research & Development Vol. 3, Issue 04, 2015 ISSN (online): 2321-0613
- Rohini B. Jadhav, Prof. Manoj A. Mechkul, "On-line Interactive data acquisition & control system for agricultural applications", IJSRD - International Journal for Scientific Research & Development Vol. 3, Issue 05, 2015 ISSN (online): 2321-0613

- Sumeet S. Bedekar, Manoj A. Mechkul, Sonali R. Deshpande “ IOT based automated irrigation system using ARM Cortex M4”, IJSRD - International Journal for Scientific Research & Development Vol. 3, Issue 05, 2015 ISSN (online): 2321-0613
- Sumeet S. Bedekar, Manoj A. Mechkul, Sonali R. Deshpande “IOT based automated irrigation system”, IJSRD - International Journal for Scientific Research & Development Vol. 3, Issue 04, 2015 ISSN (online): 2321-0613
- Poonam J Chavan, Manoj A Mechkul, “Analyzing Quality of Water in River using IoT”, Journal of Power Electronics and Devices Volume 2 Issue 2
- R.S.Solunke, Prof. M.A. Mechkul, “Power Factor Improvement using Arm 11 Microcontroller”, International Journal for Research Trends and Innovation (IJRTI) , 2017, Volume 2, Issue 1 ISSN: 2456-3315
- R.S.Solunke, Prof. M.A. Mechkul, “POWER FACTOR IMPROVEMENT USING ARM 11 MICROCONTROLLER”, International Journal of Modern Trends in Engineering and Research (IJMTER) Volume 04, Issue 1, [January– 2017] ISSN (Online):2349–9745; ISSN (Print):2393-8161
- Priya Y. Bhore, M. A. Mechkul, “Resolving Vehicle Emissions in Cities by Maximum Spanning Tree Algorithm based on Internet of Things”, Journal of Signal Processing Volume 2 Issue 2

International Conference:

- Manoj A. Mechkul, B. T. Deshmukh “Positioning for photovoltaic array for maximum power” ICRTET 2012
- Tejas R. Bakliwal, Prof. Manoj A. Mechkul “Automated Poka Yoke system for Gear shaft assembly” ICRTET 2015, 2-4 July 2015
- Mr. Shashikant D. Shirsat, Mr. M.A.Mechkul, Dr.Abhay Wagh, “FPGA based Adaptive Front Light System (AFLS)” ICRTET 2015, 2-4 July 2015
- Rohini B. Jadhav, Prof. Manoj A. Mechkul, “On-line Interactive data acquisition & control system for agricultural applications”, ICRTET 2015, 2-4 July 2015
- Sumeet S. Bedekar, Manoj A. Mechkul, “ IOT based automated irrigation system”, ICRTET 2015, 2-4 July 2015
- Mayuri R. Jain,Ashvini V. Khairnar, Himani N. Shah, Prof. M. A. Mechkul, “ADAPTIVE TRAFFIC SIGNALLING SYSTEM”, ICRTET 2016, 28-30 April, 2016 Publishedd in IJMTER e-ISSN No.:2349-9745
- Purva N. Authankar, Manoj A.Mechkul, “Development of Embedded PLC with the application of Irrigation System”, ICRTET 2016, 28-30 April, 2016 Publishedd in IJMTER e-ISSN No.:2349-9745
- Poonam J. Chavan, Manoj A. Mechkul, “IoT Based Water Quality Monitoring”, ICRTET 2016, 28-30 April, 2016 Publishedd in IJMTER e-ISSN No.:2349-9745
- Ravindra.S.Solunke, Prof.M.A.Mechkul, “Power factor improvement using Arm11 microcontroller”, ICRTET 2016, 28-30 April, 2016 Publishedd in IJMTER e-ISSN No.:2349-9745

Workshop/Seminar/STTP Attended/Organized:

- Syllabus detailing workshop on Mechatronics organized by Pune University on 2nd September 2006 at NDMVP's COE Nashik
- Mission 10X organized by Wipro on 7th to 11th September 2009 at SNJB's LSKBJ COE Chandwad
- Syllabus detailing workshop on Control System organized by Pune University on 13th July 2013 at MMIT Lohgaon, Pune
- State Level Seminar on Research trends in communication Engineering, signal processing, Advance Computing on 20th and 21st January 2012 organized by SNJB's LSKBJ COE Chandwad
- Syllabus detailing workshop on Electronic Product Design organized by SPPU on 13th July 2012 at PVG COE Pune
- Central Audit Workshop Organized by SPPU on 16th March 2013 at MES's NVIMSR Pune.
- Workshop on Making Presentation with LATEX on 9th April 2013 organized by SNJB's LSKBJ COE Chandwad
- NSS Orientation Course Organized by Govt. of India ETS Centre Ahemadnagar on 15th to 21st July 2013 at Ahemadnagar College Ahemadnagr
- Faculty Orientation workshop on Control System Organized by SPPU on 2nd to 7th December 2013 at DCOER Pune
- Workshop on LATEX on 24th and 25th October 2016 organized by SNJB's LSKBJ COE Chandwad
- One Day Certificate Program on "Intellectual Property Management and Patent Life cycle Management" By Krishna and Saurastri Associates Pune organized by SNJB's LSKBJ COE Chandwad on 24th April 2017.

Expert Lectures Delivered:

- Conducted Workshop on "PLC Programming" at SNJB's LSKBJ COE for SNJB's HHJB Polytechnic Chandwad on 5th and 6th October 2015
- Given Seminar on "PLC Programming" at SNJB's LSKBJ COE for Nandgaon, Manmad and Malegaon Polytechnic students on 8th October 2015
- Conducted Workshop on PLC Gurukul Polytechnic Nandgaon, KBH Polytechnic Malegaon and Shejwal Polytechnic Manmad on 17th September 2016

Other Administrative Responsibilities:

- Samarth Bharat Abhiyan Coordinator during 2007-2008
- Student Health Checkup Coordinator for college during 2006-2008.
- EESA coordinator during 2007 to 2010 in E & TC Department
- Sr. Supervisor at Matoshri College of Engineering Nashik during 4th to 11th June 2011

- Sr. Supervisor at SNJB's LSKBJCOE Chandwad during 27th November 2012 to 4th December 2012
- Assistant NSS Programme Officer during 2012-2013
- NSS Programme Officer during 2013-2015
- Sr. Supervisor at SNJB's Arts, Commerce and Science College Chandwad during 17th November to 1st December 2014
- ICRTET 2012, 2013, 2014, 2015, 2016 Session Coordinator
- ICRTET 2016 Track Chair
- Departmental Project Coordinator Since July 2015
- Departmental NAAC Coordinator Since March 2016

Professional Membership:

- Member of Institute of Engineers (India)