Curriculum Vitae

Name: Mr. Shailesh Babruwan Biradar

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Date of Birth: 29th November 1986

Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/CGPA	Class
M. Tech.	Electronics Design Technology	DOEACC Centre, Aurangabad	Dr. BAMU, Aurangabad	2013	CGPA-5.75 (71.88%)	First Division
B.E.	Electronics and Communication	G.S. Mandal's MIT, Aurangabad	Dr. BAMU, Aurangabad	2009	65.68	First Division
Diploma	Industrial Electronics	P.L.G.P., Latur	MSBTE	2006	68.46	First Division

M. Tech. Project:
"CNC PCB DRILLING MACHING"
Duration: 10 months   Team size: 2 members
Role: software development, mechanical and product design.
Description: Using a PCB fabrication software use the Drill file for coordinates where
precise drill to PCB and control on cost per unit is as low as possible with an
efficient drilling machine.

Key Research Areas:
- Electronics Design
- Process Automation
- G-Programming

Experience

Sr. No.	Organization	Post	From To	No. of Years
1	G.S. Mandal's Maharashtra Institute of Technology, Aurangabad	Assistant Professor	28th May 2012 to Till date	9.11

List of Courses Taught/Teaching at UG level

- Network and Lines
- Control System
- Industrial Management
- Circuit Simulation Lab (LabVIEW)
- Microelectronics
- Python Programming

- Digital System Design
- Electronics Measurements
- Sensors and Transducers II
- Basic Electrical Engineering
- Electronics Devices and circuits
- Microprocessor & Microcontrollers

Additional Assignments/Duties

- Working as a Third Year E&TC Class Coordinator.
- Working as a Department Alumni Coordinator.
- Working as a Department Library Coordinator.
- Working as member of IT cell of Maharashtra Institute of Technology, Aurangabad.
- Worked as a Coordinator for Annual Governing Body Meeting from 2014-2019.
- Worked as Admission Committee Member for First year admission from 2013-2019.
- Worked as Admission Committee Member for Direct second year admission from 2012-2019.
- Worked as officer in Nov-Dec 2019 Dr. B. A. M. University, Aurangabad.
- Worked as IT Coordinator in Nov-Dec 2020 Dr. B. A. M. University, Aurangabad.

Membership of Professional Bodies

- Life Member of **"Indian Society for Technical Education (ISTE)"** [LM 107491]

Computer/Software Proficiency

✓ NI-LabVIEW ✓ MATLAB ✓ Scilab ✓ Multisim	✓ Python Prog. ✓ C Prog. ✓ CADSTAR ✓ MS-Office (Word, Excel, PowerPoint Presentation)

Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference Attended

- Attended a Two days tutorial workshop on "Network Theory and Design" on 1st & 2nd July 2013

- Attended one day workshop on "Intellectual Property Rights awareness" in NIELIT, Aurangabad on 3rd June 2013

- Attended one week STTP on "Emerging Challenges for Technocrats in Digital Signal Processing" at AISSMS Institute of Information Technology, Pune during 2nd to 9th June 2014

- Attended a Four Hour Training Session on "Presentation Skills", at CMIA Hall, Aurangabad on 19th September, 2016

- Attended one week National level Hands-on workshop on Software Defined radio with LabVIEW and NI USRP at PICT, Pune during 20th to 24th February 2017

- Attended a one day workshop on "Internet of Things" by IGTR Aurangabad on 23rd September 2019.

- Attended a two days' workshop on "Deep Learning using TensorFlow" at PICT, Pune during 17-18th January 2020

- Attended STTP on "Academic Innovations in Industry 4.0" at Vishwakarma Institute of Technology. Pune during 02-07th November 2020

- Attended national level online FDP on "Outcome based Pedagogy for Effective Teaching Learning In Engineering Education" at SKN Sinhgad college of Engineering, Pandharpur during 14th -18th June 2021

- Attended national level online FDP on "Quality Engineering and Technological Advances in Materials and Devices" at SBSR Sharda University on 08th -12th March 2021

- Attended national level online FDP on " Electronic System Design, Modeling and Simulation" organized by Mahatma Education Society's Pillai HOC College of Engineering & Technology, Rasayani during 08th to 10th June 2020

- Attended one week Faculty Development Program (online) on "Security Issues & Role of Cryptography in Communication", organized by Department of Electronics and Communication, UMIT, SNDTWU, Mumbai, India during 22nd - 26th June, 2020.

- Attended One Day Online Workshop on "OBE Concepts & Implementation and Digital Preparedness for NBA" organized by Internal Quality Assurance Cell(IQAC), Maharashtra Institute of Technology, Aurangabad, on 29th May 2021.

- Attended "Online Workshop on Research Development and Innovation Ethics" organized by Department of Civil Engineering of MVPS's K.B.T. College of Engineering, Nashik in association with SPPU From 17th May 2021 to 19th May 2021.
- Attended two days Educational Summit on "Outcome based Education and NAAC" organized by Mstersoft Indi in association with Maharashtra Institute of Technology, Aurangabad, on 14th & 15th My 2021.

Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference organized

- Coordinated Two days National Workshop on "ROBOTRYST-2013" during 23rd-24th February 2013.
- Coordinated Two days national level workshop on "Electronics Circuit Design & PCB Designing" by CPLAP Trade links Pvt. Ltd., Nagpur, During 24th-25th February 2014.
- Coordinated Two days' Workshop on Embedded system design using MSP430 by Gill Instruments, 11th - 13th August, 2013.
- Coordinated Two Days national level workshop on "Research Methodology" on 13th, 14th March 2015.
- Coordinated four Days national level workshop on MATLAB, Simulink and low cost design using signal and Image Processing Toolbox, during 16thto19th December 2015.
- Conducted a One day training program on "Fundamentals of LabVIEW." Workshop for SY TY B.TECH ETC students on 17th August 2019.
- Coordinated a Workshop on Linux OS Dated on by Red Hat Academy MIT, Aurangabad on 8th,9th,11th April 2016
- Coordinated an International Conference on Digital Signal and Image processing -2017 as a proceeding member for souvenir on 7th & 8th March, 2017.
- Coordinated one week Faculty Development Program on Data Science at MIT, Aurangabad, during 24th – 30th June, 2019.
- Coordinated International Technical Symposium on "Opportunities & Challenges in Industry 4.0" organized by "Industry Cell & Electronics and Telecommunication Engineering Department" of G.S. Mandal's, Maharashtra Institute of Technology, Aurangabad, during 15th - 17th June, 2020.
- Organized one day Webinar on "Psychometric knowing to you and Gateway to your study abroad dream" for SY, TY, B.Tech Diploma Students throughout the region on 24th July 2021.

Invited talks/workshops delivered

- Delivered as a resource person in the one day workshop on "Introduction to LabVIEW Environment" on 15th March 2019 at Kai.Sau. Sunitabai Eknathrao Dhakane Polytechnic College, Shevgaon Dist. Ahmednagar

- Delivered as a resource person in the one day workshop on "Introduction to LabVIEW Environment" on 06th April 2019 at MIT Food Technology, Aurangabad.

List of Research Publications

Papers International Journal

"MICROCONTROLLER BASED IRRIGATION & WATER LIFTING SYSTEM USING WIND ENERGY"
Published in: IJAMTES, Vol 3, Issue5 (2), Feb 14, ISSN-2249-7455, Page no. 87-91.

Date: 13th May, 2022

Place: MIT, Aurangabad