



Bhartiya Vidya Bhavan's
Sardar Patel Institute of Technology
(An Autonomous Institute Affiliated to University of Mumbai)
Munshi Nagar, Andheri (W), Mumbai-4000058
Electronics Department



Mr. Najib Ghatte
Assistant Professor
Department of Electronics Engineering
Sardar Patel Institute of Technology

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▪ **Date of joining the present institute:** 01st day of July 2016

▪ **Scholastic record:**

Sr.No	Degree	Institute	University/Board	Year of passing	Class/CGPI/percentage
01	M. E. (Electronics)	Fr. Conceicao Rodrigues College of Engineering, Mumbai	University of Mumbai	2015	CGPI: 8.96 (Second Topper)
02	B. E. (Electronics)	M. H. Saboo Siddik College of Engineering, Mumbai	University of Mumbai	2011	71.29% (Fourth Topper)
03	12 th Science	Wilson College, Mumbai	Maharashtra State Board of Secondary and Higher Secondary Education	2007	82.67% (PCM: 91.5%)

• **Teaching experience in totality : 8 years**

(including 3 years Adhoc Teaching Experience)

▪ **Academic merit record and achievements:**

- Have elected as Joint Technical Head of M. H. Saboo Siddik College of Engineering under IEEE chapter for the 2009-2010
- IEEE member for the consecutive two years: 2009-2011
- SACE member in the year :2009-2010

- Green Day Volunteer at Anjuman Islam's M. H. Saboo Siddik College of Engineering in 2009-2010
- Secured Highest Marks in ECAD-II (Sem-IV) and Embedded Systems (Sem-VIII)
- Presented 'Vessels Bilge Oil Water Separator' at Inter- College Technical Paper Meet-2012 organized by Saraswati College of Engineering on 14th Sept. 2012
- Won first and second prizes in many Inter-College Robotics Competition conducted by Engineering Colleges.

▪ **Membership of Professional Bodies:**

- Life Member of Indian Society of Technical Education (ISTE):
Membership No. LM123384 since 2018

▪ **Domain expertise and areas of interest:**

- Analog Electronics, Control Systems, Signals and Systems, Embedded Systems

▪ **Details of subjects taught:**

S. No.	Name of the subject
1.	Analog Electronics
2.	Circuit Theory
3.	Principles of Control System
4.	Signals and Systems
5.	Linear Integrated Circuits
6.	Programming in C
7.	Microcontroller
8.	Embedded Systems
9.	Digital Communication

▪ **Workshops/Refresher courses/Training programs/Seminars attended:**

- Participated in Two-Day Workshop on System Modelling and Simulation organized by Fr. Conceicao Rodrigues College of Engineering.
- Attended 2016 International Symposium on Internet of Things organized by Lab-X Foundation in collaboration with Sardar Patel Institute of Technology and IEEE Consumer Electronics Society held in Mumbai, on August 3rd and 4th 2016.

- Participated in International Conference on Advance Computing, Communication and Control organized by Fr. Conceicao Rodrigues College of Engineering.
- Attended Design Thinking Workshop conducted by SPJIMR faculties at Sardar Patel Institute of Technology on January 3rd and 4th 2017 and presented a report on Empathy Map for stakeholders on 18th April 2017, which got highly appreciated.
- Attended AICTE sponsored “Two Days National Seminar on Technologies for Development of Rural Areas” on 27th and 28th Nov 2017.
- Completed IEEE online course on “Introduction to Instrumentation” conducted on 26th January 2018
- Attended AICTE-ISTE Approved One Week Short Term Training Program (STTP) on “Pushing Boundaries of Wireless Technologies” conducted by the Department of Electronics and Telecommunication Engineering, Sardar Patel Institute of Technology, from 02-01-2018 to 06-01-2018.
- Attended Faculty Development Program on 11th July 2018 on Machine Learning for Data Analytics and Big Data Applications using MATLAB, Hardware Connectivity and Internet of Things using MATLAB and Simulink.
- Attended FSIE- India Expo-2019 at Goregaon BEC on 28th February 2019.
- Attended Two Days Faculty Development Programme on “Continuous Quality Improvement” on 13th & 14th March 2019 organized by SPIT IQAC.
- Attended One day Workshop on Moodle Learning Management System held on 15 March 2019 organized by IIT Bombay.
- Attended AICTE Sponsored Two Week FDP on “Consumer Electronic Product Design, Testing, Reliability and Patenting” from 1st July 2019 to 13th July 2019 organized by Electronics Department of Sardar Patel Institute of Technology.
- Attended Developing Young Minds’ Potential by Dr. Nia Kurnianingsih on 14th June, 2020, IEEE Bombay Section.
- Attended AICTE sponsored One Week STTP “Signal Processing Techniques for Advanced Wireless Communication” from Monday, 26th October 2020 to Saturday, 31st October 2020 organised by Jayamukhi Institute of Technological Sciences, Warangal, Telangana. (Scored 160/200 in Test).
- Attended AICTE Sponsored Two Week Online Faculty Development Programme (FDP) on “Implementation of Artificial Intelligence for Solving Digital Signal and Image Processing Problems” conducted by the Department of Electronics

and Communication Engineering, Vidya Jyothi Institute of Technology (Autonomous) in association with AICTE from 16-11-2020 to 28-11-2020.

▪ **Workshops/Refresher courses/Training programs/Seminars conducted as a resource person:**

- Conducted Expert Lecture on “Advances in Control Systems” by Prof. Abhishek Barve, VJTI on 13th April 2017 for SE (Electronics)
- Conducted Expert Lecture on “Advances in Control Systems” by Prof. Dattatray Surykant Sawant, Asst. Prof. (EXTC), Mukesh Patel School of Technology Management and Engineering on 14th February 2017 for SE (Electronics).
- Conducted Expert Lecture on “Advances in Control Systems” by Prof. Dattatray Surykant Sawant, Asst. Prof. (EXTC), Mukesh Patel School of Technology Management and Engineering on 27th February 2017 for SE (Electronics)
- Delivered an Expert Lecture on “Gate Orientation” in Electrical Engineering Department of , New Panvel on Monday, 12th February 2018
- Conducted Expert Lecture on “Automation Glimpse and Technoxian Championship Highlights Advances in Control Systems” by Mr. Ambrish K. Chaturvedi, Mr. Alister R. Savio D’Silva Business Development Manager and Director Absolute Motion Pvt. Ltd; and Mrs. Mahak Somani District Coordinator, Mumbai, All India Council for Robotics & Automation on 18th March 2019 for SE (Electronics)

▪ **Publications:**

International Conferences

Sr. No	Author/ Co-Authors	Title of International conference	Title of paper/article/poster presentation	Schedule and venue of conference	Academic Year
1.	Najib Ghatte, Shilpa Patil, Deepak Bhoir	Int. Conference on Recent Trends in Computer and Electronics Engineering	High Speed ALU Design using Vedic Sutras	2014 Mumbai	2013-2014

2.	Najib Ghatte, Shilpa Patil, Deepak Bhoir	Fifth IRF Proc. International Conference on Software Technology and Computer Engineering	Single Precision Floating Point Square Root Computation	Aug. 2014 Goa	2014-2015
3.	Najib Ghatte, Shilpa Patil, Deepak Bhoir	Fifth IRF Proc. International Conference on Software Technology and Computer Engineering	Single Precision Floating Division	Aug. 2014 Goa	2014-2015
4.	Saqib G, Faizan K, Ghatte N	2018 IEEE International Conference on Current Trends towards Converging Technologies (ICCTCT 2018)	Intelligent Chatting Service Using AIML	1 st – 3 rd March 2018, SVS College of Engineering, Coimbatore, Tamil Nadu, India	2017-2018
5.	Deepak Karia, Ankur Mahadik, Suma Salian, Vaibhav Rajput, Anuradha Jadiya and Najib Ghatte	ICNTET2018: International Conference on New Trends in Engineering & Technology	Fire Detection and Gas Leakage Prevention System	September 7- 8, 2018, Chennai, India	2018-2019

6.	Sameep Pote, Sparsh Pahalwan, Raksha Jain, Najib Ghatte	Proceedings of the Third International Conference on Smart Systems and Inventive Technology (ICSSIT 2020)	Posturainer: IoT based Posture Training Device for Postural Control and Adaptive Gait	20-22 August 2020 Francis Xavier College, Tirunelveli, India	2020-2021
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▪ **Details of International Journal publications:**

Sr. No	Author/ Co-Authors	Title of Journal	Title of paper	Date of Publication
1.	Dattaprasad Madur, Najib Ghatte , Vinit Pereira, Tushar Surwadkar	International Journal of Research in Advent Technology, V1(5)	Modelling Light Emitting Diode using SPICE	Dec. 2013
2.	Vinit Pereira, Najib Ghatte , Madur Dattaprasad, Tushar Surwadkar	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, V3(1)	Cyclic Redundancy Check Simulation using Serial Communication	Jan. 2014.
3.	Najib Ghatte , Vinit Pereira, Madur Dattaprasad, Tushar Surwadkar	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, V3(1)	Real-Time Clock Implementation Using I ² C Protocol Check	Jan. 2014

4.	Najib Ghatte , Shilpa Patil, Deepak Bhoir	International Journal of Engineering Trends and Technology(IJETT)	Floating Point Engine using VHDL	Feb. 2014.
5.	Najib Ghatte , Shilpa Patil, Deepak Bhoir	International Journal of Engineering Trends and Technology(IJETT)	Double Precision Floating Point Square Root Computation	Jul. 2014.

- **Contribution to and role played in the administrative affairs of the institute:**
- **Departmental Roles**
 - ESA-Electronics Student Association
 - Minor Project Co-ordinator
- **Institute Level Roles**
 - RnD-Research and Development Committee Coordinator
 - IR Cell: Industry Relations Coordinator
 - E-Cell: Entrepreneurship Cell Coordinator
 - IIC: Institution Innovation Cell Coordinator
- **Other Contributions:**
 - Formulated syllabus for **Fundamentals of Operating System Lab (ELL 63)** for Semester: Sixth, Electronics Department,
 - Handling Departmental files for Faculty Publications, Student Publications, Teaching Profile, Internships, Placements and Entrepreneurships since 2016
 - Departmental Coordinator for NAAC Criteria 3 and 5: 2017
 - Scrutiny 1 member for F.Y. B. Tech Admission Rounds-2020-2021
 - **Created Course Material** for SCOPE Course on Verilog Programming-I in 2017-2018
 - Submission of proposal for **Minor Research Project** titled Universal MODBUS Data Logger and Acceptance of Minor Research Grant worth Rs. 30,000/- in 2018-2019
 - **Appointment as Paper Evaluator for S.P.C.E.** TY B.Tech (Electrical) for Re-exam of Control System-I held in month of April-18
 - Organized Inter-College Mini Project Competition “Innovatron 2019” on 12th April 2019.

- Moderation of Answer Books for Linear Control System of SE(Electronics) Sem IV (Choice Based) for first half of year 2019 at DJ Sanghvi College of Engineering on 30th August 2019
- Worked as Judge for ABL-Dramatic Event. 2019-2020
- Worked as External Examiner for TE (Electronics) Digital Communication for DJ Sanghvi College of Engineering on 19th -20th November and 26th November 2020