

Name of Teaching Staff	:	Prof. Vivek Vijay Nar										
Designation	:	Assistant Professor										
Department	:	Electronics & Telecommunication Engineering										
Date of Joining the Institution	:	23.01.2015										
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Google Scholar Link	:	https://scholar.google.com/citations?user=8tQpbZEAAAAJ&hl=en										
Vidwan Link		https://vidwan.inflibnet.ac.in/profile/305602										
Linkedin profile		https://www.linkedin.com/in/vivek-nar-b6a282116/										
Qualifications with Class / Grade	:	1. M.Tech in Electronics and Telecommunication Engineering from VJTI (University of Mumbai) in July 2013, 1 st class with distinction (9.2 CGPA). 2. B.Tech in Electronics Engineering from VJTI (University of Mumbai) in June 2011, 1 st class (7 CGPA). 3. Licentiate Diploma in Electronics Engineering from VJTI (MSBTE) in March 2004, 1 st class with distinction (88.66%)										
Total Experience in Years	:	Teaching: 13 years 1. Assistant Professor, Electronics & Telecommunications Department, D. J. Sanghvi College of Engineering, Mumbai, from 28.10.2024 - till date. 2. Assistant Professor (Ad-hoc), Electronics Department, D. J. Sanghvi College of Engineering, Mumbai, from 23.01.2015 to 27.10.2024. 3. Assistant Professor (Ad-hoc), Electronics & Telecommunications Department, St. John College of Engineering and Technology, Palghar, from 16.06.2014 to 22.01.2015. Industry: 0.66 years 1. Telecomm Design Engineer, DAR Consultancy, Pune, from 05.08.2013 to 21.03.2014.										
Papers Published in Journal:	:	International: 2 [1] Effective Implementation of Static Voice Alteration, International Journal of Computer Applications Vivek Vijay Nar, Alice N. Cheeran. [2] Verification of TD-PSOLA for Implementing Voice Modification, International Journal of Engineering Research and Applications, ISSN: 2248-9622, Vol. 3, Issue 3, May-Jun 2013, pp, Vivek Vijay Nar, Alice N. Cheeran, Souvik Banerjee.										
Area of Specialization	:	Embedded systems, Robotics and automation, Biomedical applications.										
Professional Memberships	:	Life Member of Indian Society of Technical Education (ISTE) – LM 124322										
Grants fetched	:	<table><thead><tr><th>Project</th><th>Funding agency</th><th>Grant</th><th>Year</th></tr></thead><tbody><tr><td>IoT enabled EMG Signal Controlled Wheelchair</td><td>TIH-IoT CHANAKYA Graduate Internship Program by TIH Foundation for IoT and IoE, IIT Bombay (TIH-IOT) under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS), being</td><td>Rs 6 Lakhs</td><td>2022-23</td></tr></tbody></table>	Project	Funding agency	Grant	Year	IoT enabled EMG Signal Controlled Wheelchair	TIH-IoT CHANAKYA Graduate Internship Program by TIH Foundation for IoT and IoE, IIT Bombay (TIH-IOT) under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS), being	Rs 6 Lakhs	2022-23		
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IoT enabled EMG Signal Controlled Wheelchair	TIH-IoT CHANAKYA Graduate Internship Program by TIH Foundation for IoT and IoE, IIT Bombay (TIH-IOT) under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS), being	Rs 6 Lakhs	2022-23									

			implemented by the Department of Science and Technology (DST), Government of India			
		EMG Signal Controlled Wheelchair	TIH-IoT CHANAKYA Graduate Internship Program by TIH Foundation for IoT and IoE, IIT Bombay (TIH-IOT) under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS), being implemented by the Department of Science and Technology (DST), Government of India	Rs 5.5 Lakhs	2021-22	
		Assessment and evaluation of "Saguna rice technique" (SRT) by evaluating and analyzing methane gas emission in light of traditional rice cultivation technique	Minor Research Grant by Mumbai University as Co-Pi	Rs 30,000	2019-20	
Interaction with Professional Institutions Guest Lectures, Other Achievements and Responsibilities	:	- Invited as a resource person for 'Hands-on workshop on Electronics', at Shri Bhagubhai Mafatlal Polytechnic, Mumbai on September 9, 2026. - Invited as a resource person for demonstration of 'IoT Experiments and hands-on Session', a One-day faculty orientation program on "Internet of Things (IoT) Hardware Setup" at Sardar Patel Institute of Technology, Mumbai on April 7, 2025.				
	:	- Invited as a resource person for 'Robotics and Automation: Application in Electrical Engineering', a One-day workshop at Shri Bhagubhai Mafatlal Polytechnic, Mumbai on January 15, 2025. - Invited as a resource person for demonstration and hands-on training on 'PCB Design & Layout — Introduction to KiCad', at Sathaye College, Mumbai on September 21, 2024. - Invited as a Referee for the Mumbai Zonal Round of Inter-School Robotics Championship 2024 on 28 October 2024. - Invited to judge GENESIS_2024, an Intercollege Mini-Project Competition for TE EXTC students based on Embedded Systems organized by department of Electronics and Telecommunication Engineering of St. Francis Institute of Technology (SFIT) on 25 October, 2024. - Invited as a resource person for demonstration and hands-on training on 'Embedded C and IoT ready platforms', for ISTE and IETE approved one-week STTP on "Internet of Things with industry 4.0" at A. C. Patil College of Engineering, Kharghar on June 7, 2023.				

	• Invited as a Jury member in Hardware domain of the Project Expo, Prakalp, organized by IEEE-WIE at Prakalp, Fr. Conceicao Rodrigues CoE, Mumbai on March 10, 2023. • Invited as a Jury member in a State Level Technical Paper Presentation in TECHFAIR'23 at SBMP, Mumbai on March 4, 2023. • Invited to exhibit a project titled, 'EMG Controlled Wheelchair' at Taqneeq, a national level project exhibition, MPSTME, Mumbai on February 6,7 & 8 2023 • Invited as a resource person for demonstration of 'IoT Experiments and hands-on Session', a One-day faculty orientation program on "Internet of Things (IoT) Hardware Setup" at Sardar Patel Institute of Technology, Mumbai on January 18, 2023. • Project titled 'EMG Signal Controlled Wheelchair for Physically Impaired' shortlisted in top 16 projects in Final Round of 17th Aavishkar: Inter-Collegiate/Institute/Department Research Convention (Zonal Round) organized by the University of Mumbai on December 27, 2022, held at Vidyalankar Institute of Technology, Wadala, Mumbai. • Project titled 'EMG Signal Controlled Wheelchair for Physically Impaired' won (Zonal Round) and selected for (Final Round) of 17th Aavishkar: Inter-Collegiate/Institute/Department Research Convention (Zonal Round) organized by the University of Mumbai on December 23, 2022, held at Vidyalankar Institute of Technology, Wadala, Mumbai. • Invited to TechConnect Exhibits at IIT, Bombay to demonstrate our TIH-IoT funded project titled "EMG controlled wheelchair" at Techfest which is Asia's Largest Science and Technology Festival, the annual science and technology festival of the IIT Bombay, consisting of social initiatives and outreach programs throughout the year from 16th to the 18th of December 2022 • Chief Guest of Inauguration and Judge during AICTE Sponsored Techo Hunt 22 A treasure hunt based electronic circuit designing event organized on 20th November 2022 by Electronics Student Association, Sardar Patel Institute of Technology.
Awards	• Lord Reay Gold Medal for highest aggregate marks in the final year diploma examination in May 2008.
Subjects Taught	<u>UG Level:</u> Microcontroller and Applications, Mathematics for AIML (Honours), Ideation and Innovation Laboratory, Digital Marketing Management, Electronics Devices & Circuits, Electrical Networks, Robotics for AIML, Microprocessor and Applications, Microprocessor, Advanced Instrumentation Systems, Very Large Scale Integration, Digital Circuit Design, Basics of Electrical and Electronics Engineering, Circuit Theory, Mechatronics.
Professional Courses and / or certifications	: • Online non-credit course "Fundamentals of Visualization with Tableau" authorized by University of California, Davis and offered through Coursera. • Webinar on, " Educator Awareness on Design thinking and Digital Age Innovation" organized by SVKM held on 12th August 2021. • Teach the Trainer (T3) workshop on "IOT ENTERPRISE SOLUTION ARCHITECTURE" conducted online by the IBM ICE Team on 19th July to 23rd July 2021. • Two Week online lab workshop on, "Digital System Design and Verification using CPLD" from 28/6/2021 to 10/7/2021 conducted by IIT Bombay. • One day workshop on "Applications of Microsoft Power Automate & Virtual Assistant for AI Educational Bots" on 5th June 2021 held by DJSCE, Mumbai. • Webinar on, " VBA Macro" organized by SVKM held on 22nd May 2021. • Webinar on, "IoT Protocols - How Data Exchange Happens" organized by IEEE held on 12th May 2021. • One Week SAS Training on, "FDP-Shaping a Data Science Curriculum" from 03/05/2021 to 07/05/2021. • One day "AWS Builders Online Series" on 21 January 2021 held by Amazon Web Services. • TEQIP-III Sponsored One Week e-FDP on, " Future of Automation, Control & Technologies (FACT)" from 26/12/2020 to 30/12/2020 at VJTI, Mumbai. • Teach the Trainer (T3) workshop on "Cloud Computing Architecture and

Deployment Models” conducted online by the IBM ICE Team on 21 December to 24 December 2020.

- TEQIP-III Sponsored One Week e-FDP on, "Recent Trends in Green Energy and Smart Grids" from 21/12/2020 to 24/12/2020 at VJTI, Mumbai.
- Teach the Trainer (T3) workshop on “Embedded Technology for IOT” conducted online by the IBM ICE Team on 7th December to 10th December 2020. Teach the Trainer (T3)
- Workshop on “Sensor Instrumentation and Technology” conducted online by the IBM ICE Team on 28th June to 1st July, 2020.
- Online non-credit course “Interfacing with the Arduino” authorized by University of California, Irvine and offered through Coursera.
- Online non-credit course “The Arduino Platform and C Programming” authorized by University of California, Irvine and offered through Coursera.
- Online non-credit course “Introduction to the Internet of Things and Embedded Systems” authorized by University of California, Irvine and offered through Coursera.
- Online non-credit course “Get Interactive: Practical Teaching with Technology” authorized by University of London and Bloomsbury Learning Exchange and offered through Coursera.
- Webinar on, "Virtual Labs: Effective Tool for Teaching and Learning" organized in association with AICTE & Virtual Lab, Centre for System Design, NITIK Surathkal held on 10 July 2020.
- ISTE recognized one week faculty development program on, "Scilab" from 26/05/2020 to 30/05/2020 at Dwarkadas J. Sanghvi College of Engineering, Mumbai.
- One day “Arduino Workshop” on 08 February 2020 for Teachers and Research scholars held at IITB Remote Center - DJSCE, Mumbai.
- One day “eSim Workshop” on 30 September 2019 for Teachers and Research scholars held at IITB Remote Center - DJSCE, Mumbai.
- AICTE Sponsored two-week faculty development program on “Consumer Electronic Product Design, Testing, Reliability and Patenting” held at SPIT, Mumbai during July 01, 2019 to July 13, 2019.
- One day “Python Workshop” on 22 June 2019 for Teachers and Research scholars held at IITB Remote Center - DJSCE, Mumbai.
- ISTE recognized one-week Short Term Training Program, "Recent Trends in Wireless Networks" from 02/01/2019 to 07/01/2019 at Dwarkadas J. Sanghvi College of Engineering, Mumbai.
- Session on, "SequalApp"(Hands on Practice), on 27/07/2018 at SPIT, Mumbai.
- One-week Short Term Training Program, "Web Technologies - New Trends" from 02/07/2018 to 07/07/2018 at Shah & Anchor Kutchhi Engineering College, Chembur, Mumbai.
- One day workshop on “Introduction to Machine Learning for Biologists” on May 9, 2018 at Mukesh Patel School of Technology Management & Engineering.
- “SVKM’s Faculty Induction Program” organized by SVKM, on June 15-17, 2017 at Mithibai College, Mumbai.
- Online non-credit course “Programming for Everybody (Getting Started with Python)” authorized by University of Michigan offer through Coursera.
- “International conference on Artificial Intelligence in health Care” organized by SVKM’s MPSTME, at Shirpur on December 27-28, 2016.
- Two-day workshop on “Research Proposal and Technical Paper Writing” conducted on 8th & 9th April, 2016 at SPIT, Mumbai.
- One day workshop on “Internet of Things” conducted by SkillRex Technology held on 13th March 2016 at Electrical Engineering Department, IIT Bombay.
- One day workshop on “Android App Development” conducted by SkillRex Technology held on 12th March 2016 at Electrical Engineering Department, IIT Bombay.
- Two-day workshop on “Discrete Time Signal Processing using DSP (Hands-on Practice)” conducted on 29th & 30th January, 2016 at SPIT, Mumbai.
- Two-day workshop on “Wireless Sensor Networks (Hands-on Practice)” conducted on 15th & 16th January 2016 at SPIT, Mumbai.
- Summer Industrial Training in Embedded Systems at Eduvance (20 days – July

		2015) • ARM university Program Certificate in Efficient Embedded Systems design • Cypress Semiconductors University Alliance certificate by Eduvance • Two-week faculty development program on “Electronic System Design: From Devices to Applications” held at SPIT, Mumbai. • Two-day faculty development workshop on “Embedded System Design using ARM mbed & Cypress PSoC” held at SPIT, Mumbai. • Two-day workshop on “Embedded System” held at Mukesh Patel School of Technology Management and Engineering, Mumbai.
Workshops Conducted	:	• 1 day workshop on ‘Sublimation printing and Laser Cutter’ on September 12, 2025 at DJSCE, Mumbai. • 3 days Robotics workshop ‘Triguni’ on February 4-6, 2025 at DJSCE, Mumbai. • 1 day Robotics Workshop at Chhatrapati Shivaji Vidhyaniketan, Khoch, on February 2, 2025. • 1 day Robotics Workshop at Touch Balgram, Vihigoan, Kasara on May 21, 2023. • 2 days Robotics workshop ‘Triguni’ on March 14-15, 2023 at DJSCE, Mumbai. • 1 day Robotics Workshop at Anant Kelkar Highschool, Wada on January 14, 2023. • 1 day Robotics Workshop at S. M. G. Highschool, Devgad on January 13, 2023. • 1 day Robotics workshop ‘Triguni’ on October 01, 2019 at MHSSCOE, Mumbai. • 1 day Robotics workshop ‘Triguni’ on September 14, 2019 at SIES, Nerul. • 3 days Robotics workshop ‘Triguni’ on August 10-12, 2019 at DJSCE, Mumbai. • 9 days Embedded C workshop on July 22-31, 2019 at DJSCE, Mumbai. • 2 days Robotics workshop on July 14-15, 2018 at Vanvasi Kalyan Aashram Shala, Mangaon. • 2 days Robotics workshop ‘Triguni’ on March 29-30, 2018 at DJSCE, Mumbai. • 1 day training as a resource person in AICTE-ISTE approved Short Term Training Programme, Advanced Embedded and Real Time Application Design on July 3-8, 2017 at Shah & Anchor Kutchhi Engineering College, Mumbai. • 1 day Robotics workshop ‘Panchmahabhuta’ on March 15, 2017 at DJSCE, Mumbai.
Projects Guided	:	UG Level: Two to Three every academic year since 2016.
Recommended Students for Higher Education		Count of the Student: 200++ since year 2000. University/Industry: Most of the universities in US, UK, Germany, Australia etc of repute as well as Institute of repute in India.
Institute/Department Responsibility handled:		➤ Admission Committee Member for every Academic Year, ➤ Maintained Department Diary from January 2020 till January 2024. ➤ Maintained Weekly Report from Jan 2016 – Jan 2019.
Pedagogy Development		A unique initiative undertaken and followed up at department of Electronics (2014-2024). Every project group makes a project poster (33” X 23”) containing complete project details. The group presents the project with poster backdrop and demonstration to external experts at a department annual event – Project Display. Subsequently students were also asked to make a project demonstration video which is uploaded on YouTube. The link for the demonstration video is embellished on the poster as a QR code. A complete repository of these videos, since 2015, about 82 in number, is available at department YouTube channel: https://www.youtube.com/channel/UCpAdMFB_gmrO4U0HcUiAMdA/playlists We can say that this activity initiated in the department has certainly improved the experiential learning as well as practical skill set acquisition mechanism of our students. The uniqueness of this pedagogy for final year project implementation has become at department USP! Teaching Methods: Flipped Classroom, Augmented Reality (AR) based teaching, ExpEYES used for laboratory session. Evaluating Techniques: Kahoot Online Quizes.