



Name : Prof. Govind Tukaram Haldankar

Designation : Assistant Professor, Electronics Department,
Sardar Patel Institute of Technology

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- **Date of joining the present institute: 12th May 2010**
- **Date of joining the present department: 12th May 2010**
- **Scholastic record: (Begin with the highest degree and end with XII)**

Sr. No	Degree	Institute	Year of passing	Class/ CGPI/ percent age
1	M.E. Electronics	Sardar Patel College of Engineering	2009	First
2	B.E. Electrical	Sardar Patel College of Engineering	2000	Second
3	Diploma in Industrial Electronics	VPM's Polytechnics, Thane	1992	First

- **Teaching/Industry experience in totality :**

Sr. no	Name of the industry/ college	Experience in years
1	Don Bosco Institute of Technology, Kurla	2 years
2	Indtech Instrument Pvt. Ltd.	2 years
3	Ultra Tek Devices Ltd. Andheri	2 years
4	Ventura Electronics, Kurla	1 year

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- **Achievement:** Passed two years P.G. Diploma in counselling and working as a counsellor for prisoners in Byculla Jail (Permission received from Maharashtra State Government)
- **Awards:** Best Faculty Award from Cognizent Industries in academic year 2015-16

- **Domain expertise and areas of interest:** Power Electronics, Instrumentation

- **Details of subjects taught:**

S.No.	Name of subject	Year and branch
1.	Power Electronics, Basic Electrical and Electronics, Electrical Machines, Electronics Instruments and Measurement	2010-11
2.	Basic Electrical and Electronics, Electronics circuit Analysis and Design, Electrical Machines, Electronics Instruments and Measurement	2011-12
3.	Robotics and Automation, Basic Electrical and Electronics, Electronics Devices and Circuits, Electrical Machines, Electronics Instruments and Measurement, Electronics circuit Analysis and Design	2012-13
4.	Basic Electrical and Electronics, Electronics Devices and Circuits, Electrical Machines, Electronics Instruments and Measurement, Electronics circuit Analysis and Design	2013-14
5.	Basic Electrical and Electronics, Electronics Devices and Circuits, Electrical Machines, Electronics Instruments and Measurement, Electronics circuit Analysis and Design	2014-15
6.	Basic Electrical and Electronics, Electronics Devices and Circuits, Electrical Machines, Electronics Instruments and Measurement, Electronics circuit Analysis and Design	2015-16
7.	Electronics Instruments and Measurement, Electrical Machines, Basic Electrical Technology, Electromagnetic Engineering	2016-17
8.	Electronics Instruments and Measurement, Electrical Machines, Basic Electrical Technology, Electromagnetic Engineering	2017-18
9.	Robotics Vision, Electronics Instruments and Measurement, Electrical Machines, Basic Electrical Technology, Electromagnetic Engineering	2018-19

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

NPTEL online certifications course:

1. Successfully completed Twelve Week Certification Online Course on “Design of Photovoltaic System” and passed the NPTEL online exam with first class.
2. Successfully completed Twelve Week Certification Online Course on “Embedded System” conducted by NPTEL and passed the online exam on 23rd April, 2017.
3. Successfully completed Twelve Week Certification Online Course on “Soft Skills” conducted by NPTEL and passed the online exam with elite score on 22nd October, 2017.

Short Term Training Programs/ Conference/ FDP attended:

1. Attended conference for SSC teachers on “Spiritual Education for Happy and Peaceful Life” from 22nd Sept to 26th Sept. 2017 at Mount Abu.

2. Participated in One Week ISTE approved STTP on “Innovation and Applications of Engineering Mathematics” from 28th November to 2nd December, 2016 at Vidyalkar Institute of Technology, Mumbai.
3. Participated in One Week QIP under COE on “Renewable Energy and Ancillary Services” conducted by VJTI, Mumbai from 9th-13th December, 2016.
4. Attended a conference as a Co-chairperson on “Integration of Science, Social Science, Humanities and Technology: The Global Perspectives” on 22nd April, 2017.
5. Participated in one week Entrepreneurship Educators Program conducted by SPTBI from 20th June to 24th June 2017.
6. Attended Quality Improvement Programme (CE and QIO) conducted by IIT Bombay at Mumbai during May 12-16, 2014.
7. Participated e_Prayoga activity organized by IIT Bombay at S.P.I.T, Andheri (W) on 1st and 2nd March, 2014.
8. Participated in Faculty Development Workshop on “ARM mbed Platform” organised by EduVance. (ARM University Program)
9. Attended a workshop on “Simulation of Power Electronic Circuits” at IIB Bombay from 8th Oct. 2013 to 9th Oct. 2013.
10. Attended one week AICTE sponsored national level workshop on “VLSI and Embedded Systems” at Fr. C. Rodrigues Institute of Technology, Navi Mumbai from 1st July to 5th July 2013.
11. Participated in the “Engineering & Science Innovation Summit” held on 21st August 2014 at Sardar Patel Institute of Technology in association with National Instruments and sponsored by AI Instruments Pvt. Ltd.
12. Attended Faculty Development Program on RF and Microwaves from 9th May to 10th May. 2014 at Scientech Technologies Pvt. Ltd., Indore.
13. Completed a training program on “ Basic PLC Course” organized by Simens Ltd., Kalwa held on 20th July to 23rd July. 2011.
14. Attended two days training program on “Mentor Graphics VLSI Tools” on 12th and 13rd January 2012 at S.P.I.T.
15. Completed a course on “Red Hat Certified Technician” from Oct.2009 to March 2010 at Indian Institute of Hardware Technology Limited.
16. Attended National workshop on SCILAB jointly organized by Fr. C. Rodrigues Institute of Technology, Vashi and FOSSEE-Project IIT Bombay from 29th Nov. 2010 to 3rd Dec. 2010.
17. Attended two days workshop on “Thinklabs Sine IIT Bombay on 19th-20th March 2011 at ThinkLABS Center, Mumbai.
18. Attended STTP on “Latest Trends in Signaling Systems” at Don Bosco Institute of Technology, Kurla from 23rd Nov. to 27th Nov. 2009.
19. Attended STTP on “Application of Software tools in EXTC” at Don Bosco Institute of Technology, Kurla from 17th Oct. to 28th Oct. 2008.
20. Attended STTP on “Applications of Mathematics in Engineering Problems ” at Don Bosco Institute of Technology, Kurla from 5th Jan. to 9th Jan. 2009.

Industrial visit attended with the students

1. Auro Weaving Mills (A unit of Vardhaman Textiles Ltd.), Solan , Himachal Pradesh
2. Elin Appliances Pvt. Ltd. (Unit II), Himachal Pradesh

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

Workshop / Courses organized or conducted:-

a. Under remote center activity: Working as a Remote Center Coordinator under IIT Bombay Academic year : 2016-17

1. As a Co-ordinator for Two Week ISTE STTP on “CMOS, Mixed Singal and Radio frequency VLSI Design organised by IIT Kharagpur from 30th January to 4th February, 2017.
2. As a workshop Co-ordinator for four Week AICTE approved FDP on “Use of ICT in Education for online and Blended Learning” organised by IIT Bombay from 2nd May to 10th July, 2017.

Previous academic years:

1. As a Co-ordinator for two week ISTE workshop funded by NMEICT, MHRD through IIT Khrag-pur on “ Analog Electronics from 4th June to 14th June2014.
2. Attended one week ISTE workshop for Coordinators conducted under National Mission on Edu-cation through ICT by MHRD on Analog Electronics at IIT Kharagpur from 1st April 2013 to 5th April 2013.
3. As a Remote Center Coordinator for two week workshop on “Computer Programming” from 20th May to 21st June, 2014.
4. Participated in Orientation Workshop on Aakash conducted by IITB on 25th -26th Oct. 2012 and 29th-30th October 2014.
5. Conducted a
6. As a Remote Center Coordinator for two week workshop on “Computer Networking” from 28th May to 5th July, 2014.
7. As a AVIEW coordinator for two week workshop on “Data Base Management System” held on 21st May to 31st May 2013.
8. As a AVIEW coordinator for one week workshop on “Aakash Android Application Program-ming” held on 23rd Feb. to 3rd Mar. 2013.Workshop.
9. As a AVIEW coordinator for two days workshop on “Research Methods in Educational Technol-ogy” held on 2nd Feb. and 9th Feb.2013.
10. As a AVIEW coordinator for two days workshop on “Research Methods in Educational Technol-ogy” held on 2nd Feb. and 9th Feb.2013.
11. As a AVIEW coordinator for two days workshop on “Aakash for Education” held on 10th Nov and 11th Nov. 2012.
12. National workshop funded by the NMEICT, MHRD through IITB on “SCILAB” organized at S.P.I.T held on 20th to 24th Dec. 2010.
13. As a resource person of the Local Management Committee for the International conference on Communication, Information and Computing Technology (ICCICT-2012) organized by S.P.I.T held on 19th and 20th Oct. 2012.

b. Workshop / Course conducted: (Other than remote center activity) Academic year : 2016-17

1. Lecture conducted on “Open Source Tools” for students of Industrial Electronics from VPMS Polytechnics, Thane on 15th Sept. 2017.
2. Conducted one week AICTE-ISTE approved FDP on “Open Source Tools for Developing Inno-vative Things” from 3rd July 2017 to 8th July 2017.

3. Conducted a lecture on “Introduction to Python programming” and “Applications using Python Programming” on 3rd -4th July 2017.

Academic year : 2016-17

1. One day workshop on “Expeyes software” for engineering students at Sandip Institute of Technology and Research Centre, Nashik on 23rd July, 2016
2. One day workshop on “Expeyes” for Diploma Engineering students at VPM’s polotechnics, Thane on 4th Feb. 2017.
3. Conducted a lecture on “Vedic Maths” at Vidya Vikas Mandal, Andheri (W) on 31st December 2016.
4. Conducted a lecture on “Open Source Hardware and Software” at Vande Mataram Degree College, Dombivali on 17th December 2016.
5. Conducted a lecture on “Vedic Maths” at Dr. Babasaheb Ambedkar Vidyalaya, Vikhroli on 3rd September and 17th September 2016.
6. Conducted a lecture on “Open Source Simulation Software Workshop” on 2nd October, 2016 organised by IEEE and IETE at S.P.I.T, Andheri (W)

Previous academic years:

1. Conducted a session on Raspberry PI at S.P.I.T., Mumbai on 5th July 2014.
2. Conducted a workshop on “Eagle Software for PCB Designing” for second year students of VPM’s Polytechnic, Thane on 1st Sept. 2012.
3. Conducted a workshop on “ Eagle Software” at VPM’s Polytechnic, Thane on 18th Feb. 2012.

• **Membership of professional bodies:**

Life membership of ISTE (LM63314)

IEEE membership number: 95652444 (Annual)

▪ **Publications: International Conferences**

Sr.No	Publisher	Title of International conference	Title of paper/article/poster presentation	Schedule and venue of conference
1	IEEE	ICOEI 2019	Augmented Reality Based Education App	ICOEI 2019 conference at SCAD college of Engineering and Technology, 23-25th April 2019
2	IEEE	ICCCNT 2017	Design of a Battery-less Solar Energy Storage system based on Re-generation of Energy	IEEE conference 8th ICCCNT 2017, July 4-6, 2017
3	IEEE	ICCCNT 2017	Fis based Autonomous Navigation System	IEEE conference 8th ICCCNT 2017, July 4-6, 2017
4	IEEE	ICPEICES 2016	An Empirical Intelligent Agent for Robot Navigation Problem Using Supervised Learning",	IEEE conference, ICPEICES 2016, July 4-6, 2016
5	IEEE	ICRSEM 2016	Audio Frequency Analyser Using Expeyes and Raspberry PI	International conference on Recent Innovations in Science, Engineering and Management, Feb.27, 2016
6	IEEE	ICRSEM 2016	Reduction of fuel consumption in Engine using HHO gas	International conference on Recent Innovations in Science, Engineering and Management, Feb.27, 2016
7	IEEE	ICTSD-2015	A low powered autotitrator using pH endpoint detection	Proc. IEEE International Conference on Technologies for Sustainable (ICTSD-2015), Feb.04 ,2015, Mumbai,India.
8	IEEE	I2CT-2014	Real Time Circuit Simulation using DSP Processor	International conference for convergence of technology (I2CT) at Pune
9	IEEE	<i>CICN2012</i>	Detection of Artrioventricular Node using ECG Signal	<i>Proc. IEEE Computational Intelligence and Communication</i>

				<i>Networks (CICN2012)</i>
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▪ **R& D and Consultancy:**

Research grant received for the project:

1. Prof. G. T. Haldankar has received Minor Research Grant (Rs.40,000) for project on “Design of microcontroller based digital shunt regulator for spacecraft applications” from University of Mumbai in the academic year 2017-18.
2. Minor Research Grant received (Rs.25,000) for project on “Reduction of fuel consumption in engines using HHO based system” from University of Mumbai in the academic year 2014-15.
3. Research grant received (Rs.1,50,000/-) from General Auto Electric Corporation (GAEC), Vasai.

▪ **Contribution to Corporate life and management of the Department and Institution:**

Controller of Examinations

Coordinator for NPTEL online courses

Remote center coordinator under IIT Bombay.