

Mr. Harikrishna N. Parikh

Assistant Professor

Department of Electronics, Saurashtra University, Rajkot

Accredited with Grade "A" by NAAC & Knowledge Consortium of Gujarat

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Educational qualification

- **B.Sc.(Electronics)** Sardar Patel University, Vallabh Vidyanagar (1996) First Division
- **M.Sc.(Electronics)** Sardar Patel University, Vallabh Vidyanagar (1998) (Gold Medal)
- **UGC-NET (Electronics)** (December 1997) (Qualified for both Lecturership & JRF)

Experience

- Working as Assistant Professor in Electronics, Department of Electronics, Saurashtra University, Rajkot since August 04, 2016.
- Worked as Assistant Professor in Electronics, Department of Instrumentation & Control, Institute of Science & Technology for Advanced Studies & Research, Vallabh Vidyanagar from July 07, 2011 to August 03, 2016
- Worked as Assistant Professor in Electronics, Department of Physics, Natubhai V. Patel College of Pure and Applied Sciences, Vallabh Vidyanagar from June 17, 1998 to July 06, 2011
- Served as visiting faculty as follows:
 - Lecturer, Instrumentation (from January 2003 to June 2012)
ISTAR (Institute of Science and Technology for Advanced Studies and Research), Vallabh Vidyanagar, Gujarat, India.
 - Lecturer, Instrumentation (Since January 2008)
V.P. and R.P.T.P Science College, Vallabh Vidyanagar, Gujarat, India.
 - Lecturer, Analytical Instrumentation (From January, 2006 to June, 2013)
S. M. Patel College of Home Science, V.V.Nagar, Gujarat, India.

Achievements and Awards

- Honoured by coveted "**H.D.H. Pramukh Swami Gold Medal**" for securing maximum marks in M. Sc. (Electronics) examination April 1998, at Sardar Patel University.
- Passed the prestigious **UGC-NET "National Eligibility Test"**, conducted in December 1997 and have qualified for both Lecturership as well as JRF (Junior Research Fellowship).

Research Project:

- Conferred upon with a Major Research Project titled "Development of low cost ECG Holter recorder for Cardiac Patients" amounting Rs. 107000 from Saurashtra University, Rajkot.
- Completed a Minor Research Project titled "Development of Electronic Devices based on Organic Semiconductors" amounting Rs.116000 from University Grants Commission.

Other Administrative Work

- Appointed as Hostel Superintendent, for the College Hostel.
- Worked as Process owner for the Process "Relationship with Parents, Students and Society" and Process "Relationship with Society and Stake Holders" for ISO certification and NAAC accreditation processes.
- Appointed as NSS Programme Officer for academic year 2008-09.
- Appointed as NSS Programme Officer from June 2015 to August 2016.

Book Published:

1. 8086 and Advanced Microprocessors for Beginners (E-Book) (ISBN 978-93-5254-575-9)

Research Papers (PUBLISHED RESEARCH PAPERS):

1. **H.N.Parikh**, H.N.Kapse, B.K.Kachhadia & J.B.Popat: Development of Electronic Voting Machine based on Open source - Arduino platform; International Journal of Information and computing Technology ISSN 0976-5999 Vol.5 Issue I December 2015(11-14)
2. **H.N.Parikh**: Designing a wireless sensor network for agriculture using Arduino; International Journal of Information and computing Technology ISSN 0976-5999 Vol.5 Issue I December 2015(15-19)
3. H.N.Kapse, **H.N.Parikh** & R.B.Shah: Development of Arduino based low cost system for monitoring vital biomedical parameters; Prajna - Journal of Pure & Applied Sciences ISSN 0975-2595 (Paper Accepted)

Research Papers (Research Papers @ Conference/Symposium):

1. Participated and presented paper titled **"Growth, Structure and Characterization of semiconducting Indium Sesquiteroxide (In_2Te_3) thin films"** at **17th Annual General Meeting of Materials Research Society of India**, organised by Lucknow University, Lucknow during 13-15 February 2006.
2. Participated and presented paper titled **"Electrical and Optical Characterization of semiconducting Indium Sesquiteroxide (In_2Te_3) thin films"** at **17th Annual General Meeting of Materials Research Society of India**, organised by Lucknow University, Lucknow during 13-15 February 2006.
3. Participated and presented paper titled **"Synthesis and electronic Applications of Semiconducting In_2Te_3 Thin Films"** at the **"2nd national Conference on Condensed Matter and Material Physics"** organized by Rajasthan University, Jaipur during February 1-3, 2007.
4. Participated and presented paper title **"Vehicular pollution control using PLC at crossroads for smart city"**, R. B. Shah, H. N. Kapse & H. N. Parikh; at **National Seminar on Advances in Environment Science & Technology – A way forward to Clean and Green Environment** organized by EST, ISTAR, February 28, 2015.

Poster Presentations

1. **"Microcontroller 89C52 based system for remote monitoring of Heart rate and Temperature"**, R. B. Shah, H. N. Kapse & H. N. Parikh, State level seminar on Current Trends in Research and Applications of Physical Sciences in Gujarat (CTRAPSG – 12) organized by Department of Physics and Physics Alumni Association, Sardar Patel University, Vallabh Vidyanagar, December 29, 2012.
2. **"PLC based automation system of Canal for Irrigation"**, R. B. Shah, H. N. Kapse & H. N. Parikh, National Conference on Latest Developments in Basic and Applied Sciences organized by M. B. Patel Science College, Anand, January 10, 2015.
3. **"Soil moisture sensors- Methods and Applicability"**, R. Y. Limabachia, H. N. Kapse & H. N. Parikh, National Conference on Latest Developments in Basic and Applied Sciences organized by M. B. Patel Science College, Anand, January 10, 2015.

Workshop/Training/Refresher/Orientation Programs attended:

1. Attended three day workshop on **TEM (Transmission Electron Microscope)** at IIT, Bombay, organized by RSIC (Regional Scientific Instrumentation Centre) and Philips Inc. Netherland during 17-19 November, 1998

2. Participated in a summer course on **“Basic Physics and Instrumentation”** at PRL (Physical Research Laboratory), Ahmedabad during 10-28 May, 1999.
3. Participated in 21-day **“Refresher Course in Electronics”** at Department of Electronics, Sardar Patel University, Vallabh Vidyanagar organized by Academic Staff College, Gujarat University, Ahmedabad during 1-21 December 2000.
4. Participated in 28-day **“Orientation Course”** at Academic Staff College, H.P.University, Shimla from 14th May 2004 to 10th June 2004.
5. Participated in a 5-day workshop on **“Hands on with Distributed Control System”** jointly organized by Department of Instrumentation and Control, Dharmsinh Desai University, Nadiad and Forbes Marshall Pvt. Ltd., Pune during 4-8 August 2008.
6. Participated in a 21 days NRDMS, DST sponsored Winter School on **“Geospatial Technologies”** organized by Institute of Science and Technology for Advanced Studies and Research, Vallabh Vidyanagar (23rd November- 13th December 2015)
7. Participated in a ISRO-NNRMS sponsored course on **“Geographical Information System Technology and Advances”** organized by Indian Institute of Remote Sensing (ISRO), Dehradun (2nd May- 24th June 2016)

Conferences & Seminars

- Attended **16** International, National and State level Conferences

Membership in academic bodies

- Life member of Electronics Alumni Association, Department of Physics, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India.
- Member, Board of Studies in Electronics, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India.
- Member, Board of Studies in Instrumentation, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India.