

| | |
|-------------------------------|---|
| Name of Faculty | Dr. Pritesh Rameshbhai Mankad |
| Designation | Professor and Head of the Department |
| Email id | priteshmankad.ee@bitseducampus.ac.in |
| Contact number | 9099035994 |
| Total Experience | |
| Teaching | 20 years 02 months |
| Industry | 01 years 06 months |
| Professional Summary | Working as Head of Electrical engineering Department of BIT from 2017. Worked at various positions like Chairman of Board of Examiners –VNSGU, PG faculty at GTU, Paper setter at GTU, Life member of ISTE, Fellow of Institution of Engineers (India), Life member of Society of Power Engineers, Coordinator of e-Yantra lab BIT, Coordinator of e-YIC of IITB at BIT |
| Current Activities | Head of the Electrical Engineering Department-BIT, Coordinator of e-Yantra Lab-IITBombay at BIT |
| Specialization Areas | Electrical Drives and its control |
| Subject Taught (UG/PG) | Control of Electrical Drives Basic Electrical Engineering Circuits and Networks Testing and Commissioning of Electrical Equipment |
| Qualifications | Ph.D in Electrical Engineering (2016) R. K University- Rajkot M.Tech (Electrical Engineering) (2005)(Gold Medalist-CPI 9.7) Motilal Nehru National Institute of Technology, Allahabad B.E. (Electrical) (1997) (First class with distinction) M.S. University-Vadodara |
| Skills | Well versed in simulation softwares like Matlab, P-spice, word processing softwares like LaTeX, Basics of Arduino microcontroller and its application, Firebird-V robot and its programming through embedded-C (AVR studio) |
| Achievements | Goldmedal for securing first rank at M.Tech (Electrical-C&I) at MNNIT-Allahabad-2005 |
| Research Project | Nil |
| Publications | <ol style="list-style-type: none"> 1. “Modeling and Simulation of Direct Torque Controlled Induction Motor Drive: A Matlab/Simulink Model”, National Conference on Communication , Control & Bioinformatics (NCCCB-06) Engineering College, Kota, Rajasthan, March 08-10, 2006 2. “Direct Torque Control of Induction Motor Drives with Constant Switching Frequency and Reduced Torque Ripples: A Matlab/Simulink model”, AICTE sponsored National Conference on “ADVANCES IN ELECTRICAL ENGINEERING (AEE-06) Nov 29-30, 2006” Department of Electrical Engineering, Madhav Institute of Technology & Science, Gwalior 3. “Simulation of Soft started Induction Motor drive with Various Techniques and its Comparison”, National Symposium on “Emerging trends in Engineering and Technology” (NSETET 2007) (July 20-21, 2007). Organized by: Moradabad Institute of Technology, Moradabad. 4. “A review of sensor less vector controlled induction motor drives”, National conference on |

“Advances in Mechanical and Electrical Engineering” AMEE-2010, 2nd-3rd July 2010 at AnnasahebDange College of Engineering and Technology, Ashta-Maharashtra. Proceedings with ISBN:978-81-8424-599-8, page no.123-129.

5. “A Review of Dynamic Models of Induction motor”, accepted for GIT-Journal of Engineering and Technology (2012, fifth volume, National Level Research Journal- ISSN 2249-6157), sr.no.05.
6. “Review of Improved Direct Torque Control Techniques for Induction Motor Drives”, published in International Journal of Innovative Research in Advanced Engineering (IJIRAE) ISSN: 2349-2163, Volume 1 Issue 6 (July 2014), page-393-399.
7. “ Improved Direct Torque Controlled Strategies for Low speed range operation of Induction Motor Drives”, International Journal of Advance Engineering and Research Development, ISSN: 2349-6406, Volume-2, Issue-5, June-2015.(Impact factor : 3.134)
8. “Improved Flux Estimation Technique for Direct Torque of Induction Motor Drives”, International Journal of Advance Engineering and Research Development, ISSN: 2349-6406, Volume-2, Issue-5, June-2015. .(Impact factor : 3.134)
9. “Performance Analysis of Conventional Direct Torque Control strategy for Wide Range Speed Control of Induction Motor Drives" published in the Journal of Trends in Electrical Engineering (TEE), STM Publications, ISSN: 2249-4774(online), ISSN: 2321-4260(print),November-2015,Volume 5, Issue 3, Page 36-45
10. “Wide Range Speed Control of Electric Vehicles using Improved Direct Torque Controlled Induction Motor Drive”, submitted to The Journal of the Institution of Engineers (India):B-Series and is under review (Review by Springer).
11. “Improved Direct Torque Control Strategy for Wide Range Speed Control of Induction Motor Drives”, submitted to the Journal of Electrical Power Components and Systems, Taylor and Francis publications and is under review.

Activities and honours

- Served as Faculty advisor for ISTE students’ Chapter of SVMIT-Bharuch
- Served as Secretary of IEE students chapter of MNNIT-Allahabad
- Served as Chairman of Board of Studies for Electrical Engineering at Veer Narmad South Gujarat University -Surat.
- GTU coordinator for Shri’Sad Vidya Mandal Institute of Technology from January 2008 to July-2012.
- Served as Presiding Officer/Dy. Presiding officer at GATE-2014 and GATE-2016 online center at HJD Institute, Kera (Bhuj)- Kutch
- Appointed as reviewer for papers submitted at National Conference on Emerging Trends in Engineering in Electrical Engineering, 21st ISTE State Annual Faculty Convention-Gujarat State, Host- Tolani Foundation Gandhidham Polytechnic, Adipur-Kutch
- Award of appreciation for “Outstanding Performance for Over all growth of the Institute”, by Chairman of HJD Institute, Kera-Kutch (September-2015)
- Appointed as Reviewer for the Journal Electric Power Components and Systems, Taylor and Francis publications house. ISSN 1532-5008 (Print); ISSN 1532-5016 (Online)
- One day seminar every year for 12th standard students “Engineering as a Carrier”. Delivered Career counseling sessions at more than thirty (30) schools of Bharuch and

Kutch District.

- Training/Workshop on “Simulation techniques in Engineering”, 7th to 11th September-2009 for Third year students of Electrical Engineering, Mechanical Engineering and Electronics and Telecommunication Engineering at Shri S’ad Vidya Mandal Institute of Technology-Bharuch.
- Delivered an expert lecture on “Electrical Drives using Simulink toolbox of Matlab” on 19th January 2008 at three day workshop on “Programming, simulation and analysis using Matlab for Electrical Engineers” at G.H.Patel College of Engineering and Technology, Vallabh Vidya Nagar, Anand , Gujrat.
- Organized ISTE approved Short Term Training Program on “Research Trends in Electrical Engineering”, from 27th to 31st January-2015 at HJD Institute, Kera-Kutch
- Delivered Expert talk on “Direct Torque Control of Induction Motor Drives” at Short Term Training Program on “Research Trends in Electrical Engineering”, from 27th to 31st January-2015 at HJD Institute, Kera-Kutch
- Organized one day workshop on “ Testing and Maintenance of Electrical Machines” , 14th February-2015 at HJD Institute, Kera-Kutch
- Delivered Expert talk on “Testing and Maintenance of Distribution Transformers”, at one day workshop on “Testing and Maintenance of Electrical Machines”, on 14th February-2015 at HJD Institute, Kera-Kutch
- Delivered Expert talk on “Power Electronics Applications to Industrial Drives”, on 1st January-2016 at Short Term Training Program on “Application of Power Electronics to Power System and Industrial Drives”, 28th December-2015 to 1st January-2016 at Shri S’ad Vidya Mandal Institute of Technology- Bharuch (GTU college code-045)
- Organized one day workshop on “Protective Relay- CDG 11”, 23rd January-2016 at HJD Institute, Kera-Kutch for Diploma final year students of all the colleges of Kutch.
- Delivered Expert talk on “Protective Relay- CDG 11”, 23rd January-2016 at HJD Institute, Kera-Kutch for Diploma final year students of all the colleges of Kutch.
- Delivered Key note speech at “2nd INTERNATIONAL CONFERENCE ON CURRENT RESEARCH TRENDS IN ENGINEERING & TECHNOLOGY” (SIEICON-2018)”, Sigma Institute of Engineering, Vadodara on 9th April-2019.
- Delivered an expert lecture on “Power quality issues and Electrical Drives” at state level two days GUCOST sponsored seminar on “Power Quality issues and its solution” organized by Electrical Engineering Department of Parul Institute of Technology (Diploma studies) on 14th July-2018.
- Delivered an expert lecture on “Latest trends in Power Electronics and Drives” at the Institute of Engineers (I) Vadodara Chapter on 18th May-2018 the lecture was organized in association with The Society of Power Engineers (India)-Vadodara Chapter.
- Delivered an expert lecture on “Latest trends in Power Electronics and Drives” at National conference on “Emerging Research Trends in Science and Technology” organized by HJD

Institute, Kera-Kutch from 27th September-2018 to 29th September-2018.

- Delivered an expert lecture on “Latest trends in Electric Vehicles and Traction” at GUJCOST sponsored one week short term training program on “Emerging trends in Electrical Power and Energy Systems” , 7th January-12th January-2019 organized by Electrical Engineering Department of SVIT-Vasad.

Grant Received

- Rs 100000 worth robotic kits received on successful completion of e-yantra task-based training at IIT-Bombay
- Rs. 10000 received twice for conducting energy conservation awareness seminars at BIT from GEDA
- Rs 50000 received for two day seminar on “ Recent Trends in Power Electronics and Embedded systems” at BIT, 4th-5th January -2019 from GUJCOST