

## FACULTY PROFILE



**Name:** Dr. Yogesh Balaso Mandake

Assistant Professor

Department of Electrical and Computer Engineering

**Education:** Ph.D. (Electrical Engineering) M.Tech. Electrical (Power system)

**Experience:** 9 Year 1 Month

**Total Experience:** Teaching: 10 Year 1 Month

Industry: 2 Years

**Area of Interest:** Power system, Electrical Machines, Energy Audit, Power System Analysis, Switchgear and Protection, Electric Vehicles

### Conferences:

- Total seminars attended: 20 No's
- Total FDP attended: 10 No's
- Total STTP attended: 2 No's
- Total workshops attended: 4 No's
- Participated as resource person for workshop: 1 No.

### Projects / Achievements:

- Received Seed Money Funding of ₹1,00,000 from Bharati Vidyapeeth (Deemed to be University).
- Awarded Project Funding of ₹25,000 from the Alumni Association, BVDU College of Engineering, Pune.

- Secured a Grant of ₹12,500 from IEEMA for the project “Underground Cable Fault Detection System”.
- Contributed as a Marathi Translator for three NPTEL courses.
- Serving as a Technical Writer for Marathi Vishwakosh.
- Selected as Marathi Translator for one NPTEL course (February 2021).

**Publications:**

Publications	International Journal (s):	23	National Journals (s) :	4
	International Conference (s):	3	National Conference (s):	3

- Yogesh B. Mandake, Deepak S. Bankar, Amit L. Nehete , “Torque ripple minimization and performance enhancement of switched reluctance motor for electric vehicle application”, Indonesian Journal of Electrical Engineering and Computer Science, July 2025.
- Mr. Sagar Subhash Chikurdekar, Prof. Yogesh. B. Mandake, Dr. Deepak. S. Bankar, “Electric Vehicle Battery charging Estiation by ANN and Fuzzy Logic”, Journal of Information Systems Engineering and Management, May 2025
- Rishikesh Baghel, Shivpal Singh, Chetana Mahajan, Yogesh B. Mandake and Deepak S. Bankar, “Study and Simulation of Switched Reluctance Motor Drive Circuit for EV Application”, Journal of Mines, Metals and Fuels, December-2024
- Ritika Asati , Deepak S. Bankar , Aishwarya Apte , Amit L. Nehete , Yogesh Mandake, “Fuzzy controlled modified reduced switch converter for switched reluctance motor under dynamic loading”, Indonesian Journal of Electrical Engineering and Computer Science, April 2024.
- Yogesh B.Mandake, Deepak S.Bakar, Ritika Asati , “Torque Ripple Reduction Strategies in Switched Reluctance Motor Using Electromagnetic Computing Tool: A Study for Electric Vehicle Applications”, SIGMAA 2023, December 2024
- Prof.YogeshB.Mandake,AshutoshGupta,SnehaSoni,Arushitiwari, “Design and simulation of Switched Reluctance Motor using ANSYS Maxwell software”, IJRSET, July 2021

- Rakhi S Ambhore, Yogesh B Mandake , Deepak S Bankar, "Simulation and Analysis of Performance of SRM by Using Different Controller", Indian Journal Of Science And Technology, June 2023
- Shivani Jitendra Khare , Shubham Singh, Siddharth Roy, Yogesh B. Mandake, and Deepak S. Bankar, "Analysis and Optimization of Fault - Tolerant Behaviour of Motors in Electric Vehicular Systems", Lecture Notes in Networks and Systems, March 2023
- Mr. Yogesh B. Mandake, Dr. Deepak S.Bankar, "Selection,Designandoptimizationof Switched Reluctance Motor Drive System for E-Rikshaw Application", Journal of Survey in Fisheries Sciences, March 2023.
- Himanshu Soni and Yogesh B. Mandake , "Selection & Development of 5KW Switched Reluctance Motor with Software Simulation", International Journal of Statistics and Reliability Engineering, March 2023
- Kesar Ali,ArbazSherkhan Shaikh, Kirti govind, Javed Shaikh, Yogesh B.Mandake, Deepak S.Bankar, "Design, Optimization & Performance enhancement of Switched Reluctance Motor for pollution free Electric Vehicle application", ICRP-2023, March 2023
- Prof.Yogesh B.Mandake,Piyusha Hadke,Rishabh kumar tiwari,Sourabh Raj,Prince kumar singh, "Improve battery life of e-vehicle using super capacitor & regenerative braking system", IRJET,July 2020.
- Yogesh B Mandake and D S Bankar, "Electric Bike-Advantages and Challenges: A Review", Power Research - A Journal of CPRI,Jan-June 2020.
- Prof.Mr.Yogesh B.Mandake,Abhishek Pandey,Mohit Sareen,Pratyush Prasoon,Rishav Raj,Ayush Agrawal, "GSM Based Smart Energy Mater",IRJET,June 2020.
- Mr.Yogesh B.Mandake,Dr.Deepak S.Bankar. "Selection of drive system for electric vehicle",ITEE journal,December 2019.
- SumenduSinha,SnehashishChandra,Praveen Kumar Singh, Rituvik Pandey, Prof.Y.B.Mandake. "Hybrid VAWT Solar Power Generation on Highway", JETIR,Apr 2019
- Darshan Wagle,Kiran Naykode,Ishita Dave, "Performance analysis of 3 phase induction motor using ANSYS" JETIR,Apr 2019
- Yogesh B. Mandake, "Three phase Induction Motor -Model Design and Performance Analysis in ANSYS RMXprt "IJSRED,2018.

- Prof Y.B Mandake, Madhur Srivastava, Ankit Kumar, Nripendra Vikram Singh, "Reactive Power Compensation By Thyristor Switched Reactor(TSR) In SVC FACTS", IJSART, May 2018
- Prof Y.B Mandake, Manan Gupta, Vismitha Mitchell, Alok Kumar, Nitin Singh Parihar, "FACTS Based Static VAR Compensation using Thyristor Switched Capacitor", IJRASET, May-2018
- Prof. Mr. Y.B. Mandake, Rohit Patil, Suvodeep Chakraborty, "Study of breakdown phenomenon in solid insulators using sphere gap and insulation testing kits", IRJET, Apr-2017
- Yogesh B. Mandake, "Electrostatic precipitator: Solution for environmental pollution", IEEMA Journal, 2017
- Yogesh B. Mandake, "Electrostatic Precipitator-Solution for environmental pollution: A Review" at NCATM-16
- Yogesh B. Mandake, Mr. Prasanna D. Bharadwaj, "Cable Fault Locator in Underground Distribution Network", Electrical India, 2014
- Yogesh B. Mandake, Mr. Prasanna D. Bharadwaj, "Underground cable fault locator system", IEEMA Journal, 2014