



# BVB's Sardar Patel College of Engineering, Mumbai

## Department of Electrical Engineering



**Bharatiya Vidya Bhavan's**  
**SARDAR PATEL COLLEGE OF ENGINEERING**  
(An Autonomous Institution Affiliated to University of Mumbai)

**Welcome**  
**Aspiring Engineers to**  
**Electrical Engineering UG Program**

**BTech in Electrical Engineering with Minor**

**Dr. Sangeeta Daingade**  
**Head of the Department**  
**Department of Electrical Engineering**

<http://www.spce.ac.in>

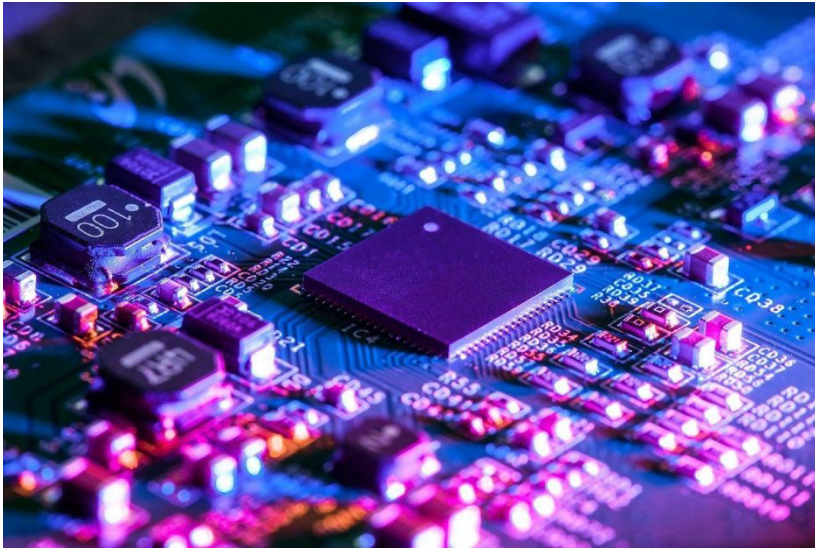
**Role of an Electrical engineer is to design, develop, test, research, install, supervise, regulate and design control.....**



# Opportunities in- Power Sector



# Electronics

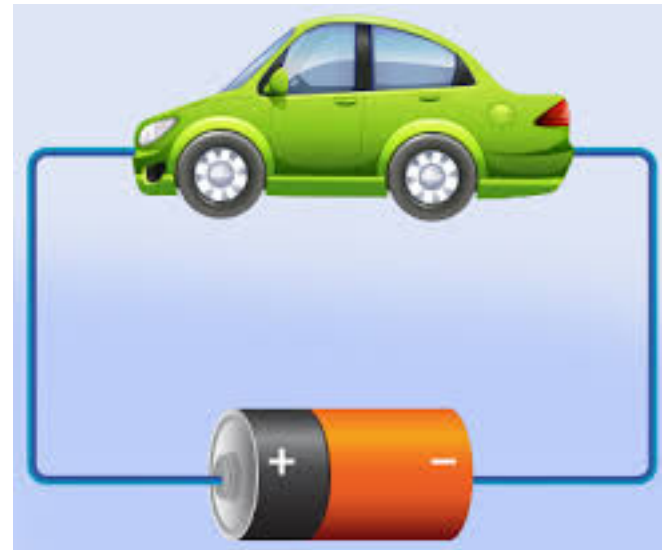


# Control and Automation



# Communication AI/ML

# Electrical machines and Drives

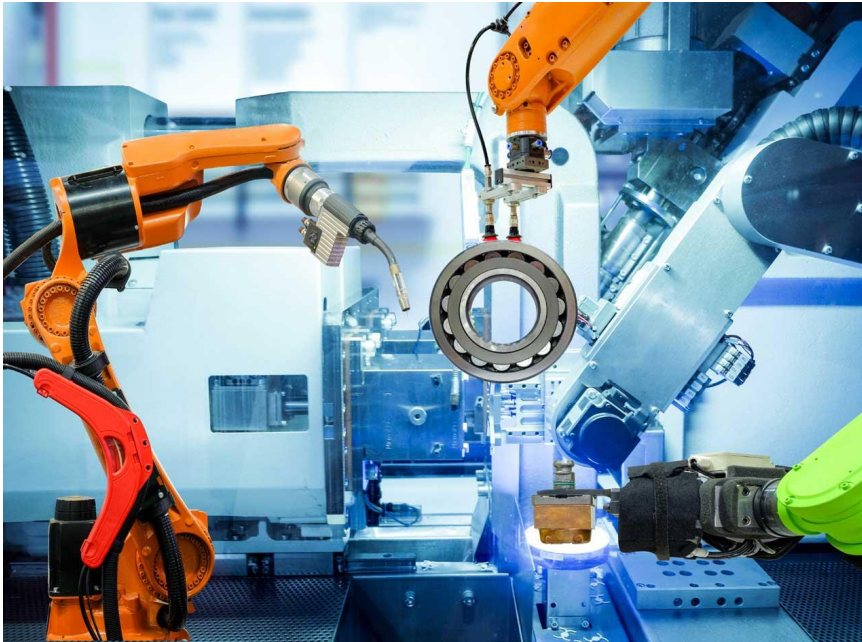


Electric Vehicle

# Instrumentation and sensors



# Computer



# Robotics



# Programs offered

Program	Intake	Started in
B. Tech. in Electrical Engineering	60	1962
M. Tech. in Power Electronics and Power System	18	2014
Ph. D.	10	2018





# Introduction

## Department Vision

Department of Electrical Engineering aspires to produce socially responsible and dedicated Electrical Engineer by providing conceptual learning that enhances research based activities.

## Department Mission

- To educate through classroom teaching along with intensive practical activities and promote academic excellence with the help of expertise in different fields of Electrical Engineering from industries and academic institutes.
- To promote innovative ideas through seminars and projects.
- To bring awareness of social responsibilities as an Electrical Engineer



# Faculty

Name	Qualification	Designation	Experience in years	Specialization
Dr. B.B. Pimple	Ph. D.	Asso. Prof	24	Power Electronics
Dr. Anupa Sabnis	Ph.D.	Asso. Prof	18	Communication Eng
Ms.V. P. Joshi	M.E.	Asso. Prof	34	Electronics
Dr. S. Daingade	Ph.D.	Asstt. Prof.	23	Control System
Dr. N. W. Kinhekar	Ph.D.	Asstt. Prof.	21	Electrical Machines
Mr. Nitin Bhitre	M.E.	Asstt. Prof.	19	Control System
Dr. Swati Lavand	Ph. D.	Asstt. Prof.	16	Power System
Ms. Ushma Shah	M.E.	Asstt. Prof.	16	Electronics
Ms. P.P. Joshi	M. Tech., Pursuing Ph.D.	Asstt. Prof.	14	Protection
Ms. Sumbul Abidi	M.Tech., Pursuing Ph.D.	Asstt. Prof.	13	Power System
Ms. Matilda Justin	M.Tech.	Asstt. Prof.	13	Power Electronics
Mr. Rahul Chavhan	M.Tech.	Asstt. Prof.	07	Electronics
Mr. Vishal Dake	M.E., Pursuing Ph.D.	Asstt. Prof.	07	Power System



# Department strength

- Qualified Staff with diversified area of interest
- Good blend of young and experienced faculty
- Modernized Laboratories
- Equipped with latest software
- Students participation in technical/  
non technical activities
- Strong industry institute interaction
- Good alumni network



# Curriculum Development

- Internal UG and PG Board of Studies(BoS) committee
- Feedback from students and alumni
- Regular review from Industry Consultation Committee (ICC), BoS and Academic Council(AC)

Outcome: Core Courses map to GATE syllabus

## Academic Flexibility

- Professional Electives PE1-PE4 with tracks- Electric Vehicle, Power System and Power Electronics, Control Systems, Multidisciplinary
- Open Electives : Interdisciplinary Electives OE1-OE2
- Online courses
- Human values and Professional Ethics
- Interdisciplinary Minor



# Infrastructure and Resources

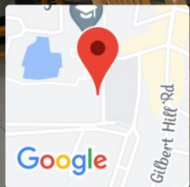
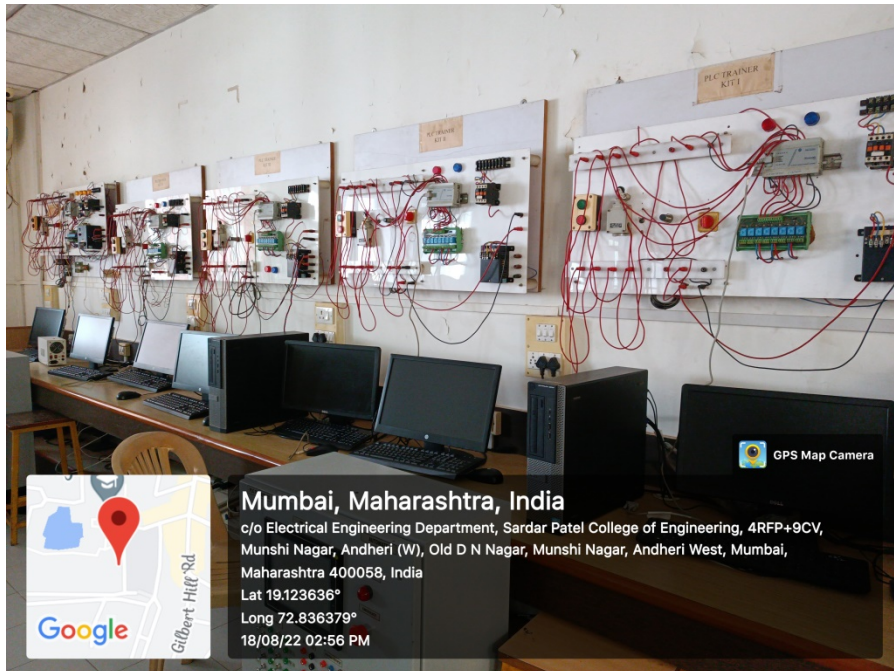
- Separate classroom for each class with smart boards
- Tutorial rooms
- Well Equipped laboratories (Hardware/ Software)
- Department office
- Department Library
- Separate cabin for each faculty
- Desktop, laptop, digital writing pad to each faculty

# Infrastructure: Laboratories

- Computational
- Renewable energy
- Switchgear and Protection
- Electronics
- Power Electronics
- Electrical Machines
- Power System
- PLC

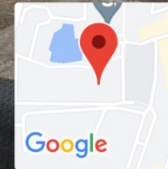


# Infrastructure: Laboratories



**Mumbai, Maharashtra, India**

c/o Electrical Engineering Department, Sardar Patel College of Engineering, 4RFP+9CV, Munshi Nagar, Andheri (W), Old D N Nagar, Munshi Nagar, Andheri West, Mumbai, Maharashtra 400058, India  
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**Mumbai, Maharashtra, India**

sardar Patel college of engineering, bhavan campus, Old D N Nagar, Munshi Nagar, Andheri West, Mumbai, Maharashtra 400047, India  
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# Activities : students learning

- Enrollment for SWAYAM courses
- Higher education
- GATE Training
- Participation in SPCE Racing, ROBOCON etc
- Internship in Railways, BTPS, NTPS, TATA Power, Power Plant, Solar Inertia Pvt., Siemens, BARC, MSEB, BEST. TATA Motors.....

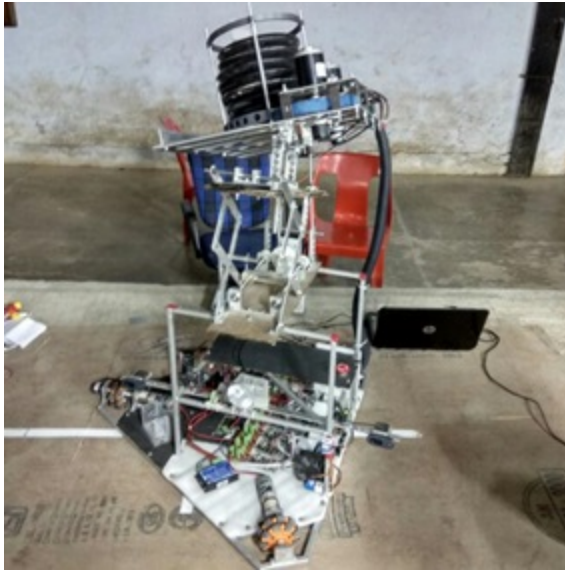




# Student support

- Participation in Students Council
- EESA (Electrical Engineering Student Association) in place
- Diagnostic test and Induction program for first year students
- Trainings/ Finishing school arranged by TPO
- Mentoring / counseling system in place
- Remedial Coaching for academically weak students
- Industry Training
- Use of MoU for getting sponsored project and arranging industry visits
- Use of alumni network
- Regular guest lectures, workshops, industry visits
- Participation in technical/ cultural events/competitions (ROBOCON, SPCE Racing etc)

# ROBOCON and Racing team





# Club Activities

Coding excellence, unlocked.

Following are some of the ongoing activities of the club

- a. AI workshop for Third Year students
- b. Bootcamp on "Basics of C++ Coding"
- c. Bootcamp on "Web development"
- d. Participating in online competition such as Hackathon, Codechef and Topcoder
- e. Senior mentoring the Junior for coding



# Students activities under EESA

❖ Electrical Software

Workshop

❖ Calculator & Pointer

Workshop

❖ EESA CUP

❖ Sport activities

❖ Laboratory Safety

❖ IPL Keeda / Online events

❖ Day celebrations



# Project exhibition / Poster presentations



7/23/2024



21

# Consultancy / Third party audit

Faculty of department working for third party verification of electrical work for government and semi government organizations e.g. Bhiwandi Nizampur City Municipal Corporation



03, Gayatri Nagar, Dongari Pada, Bhiwandi, Maharashtra 421302, India

Bhiwandi  
Maharashtra  
India



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295/402, Kalyan Rd, Nehru Nagar, Punit Sagar Complex, Bhiwandi, Maharashtra 421302, India

Bhiwandi  
Maharashtra  
India



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# Career opportunities:

- **Oil & Gas** – ONGC, HPCL....
- **Power & Energy**- MSEB, BSES, Adani, Schnider,
- **Machines and Drives**- TATA, CG, BHEL...
- **Aerospace & Defence** – HAL, ISRO, DRDO....
- **Process and Automation Industry**- AB, Seimens, L&T...
- **Infrastructure** – L&T, Lodha, Reliance
- **Automotive** – TATA Motors, Mahindra and Mahindra....
- **Finance** – Citi, Morgan Stanley, AXIS Bank, ICICI, SBI,...
- **IT** – Amazon, MathWorks....
- **Electronics Design** –Texas Instruments, Intel, NXP
- **Telecoms** – AT & T, Telesoft Technologies, Vodafone
- **Consultancy** – ABB, Atkins, Siemens, TCE, TCS....

# Notable Alumnus

- Shubham Sanjay Bhosale UPSC CSE 2021- AIR 149
- ARPITA THUBE UPSC CSE 2020- AIR 383
- Jove James Rodrigues - CPU Implementation Engineer at Apple Los Angeles
- Krunal Chaudhari - Software Development Engineer Amazon Prime Air, Washington US
- Akshay Pradeep Sonawane - Software Engineer at Microsoft, Washington US
- Niranjana Dalvi – Founder of Nirmiti Enterprise. , BoS Member
- .....



**Thank You**