

VPM's B.N. Bandodkar College of Science (Autonomous), Thane

Name of activity	Certificate course on “Design and troubleshooting of Electric Switchboard (2 credit).
Objectives of the activity (Maximum 40 words)	<ul style="list-style-type: none"> • To understand the fundamentals of electric switchboard design. • To identify and select appropriate electrical components and accessories. • To learn proper wiring techniques and safety measures. • To develop skills in troubleshooting common electrical faults. • To enhance employability skills in the electrical maintenance and installation sector.
Organizing department/s	Physics Department
Collaborative institute	--
Date (DD / MM / YYYY)	14 th February to 06 April 2026
Venue	
Mode (Online/Offline/ Hybrid)	Offline
Details of Resource Person/ Speaker (name, designation, institute)	Mr. Nandkishor S. Sangle Assistant Professor, Physics
Key Participants	F.Y.B.Sc., S.Y.B.Sc. & T.Y.B.Sc.
Remarkable outcomes / key take away messages (max. three)	<ul style="list-style-type: none"> • Ability to design a basic electric switchboard layout. • Knowledge of electrical components and their functions. • Skill in wiring, installation, and maintenance of switchboards. • Capability to diagnose and troubleshoot electrical faults. • Awareness of electrical safety standards and best practices.
Details of Teachers participants	M -00 F - 00 T = 00
Details of Student participants	M-00 F-05 T = 05
Outsiders	--
In-house	05
Additional information	Course Content and Activities <ul style="list-style-type: none"> • Fundamentals of Switchboard Design • Electrical Components and Accessories • Wiring and Installation Practices • Troubleshooting Techniques • Safety Standards and Precautions
Name of Co-Ordinator	Mr. Nandkishor S. Sangle

VPM's B.N. Bandodkar College of Science (Autonomous), Thane

Geotagged photo



Flyer/ Notice

VPM's B.N. Bandodkar College of Science (Autonomous), Thane
Department of Physics
Certificate course on
Design and Troubleshooting of electric switchboard
(2 credits course)

Learn the electrifying basics of building and fixing switchboards fast and fun!

STARTS FROM 8TH DEC 2025 - 20 JAN 2026
 Time Monday - Saturday
 2:00 pm to 4:00 pm

COURSE HIGHLIGHT:

- Learn basic electricity, wiring types, and safety.
- Understand key components: fuses, MCBs, switches, sockets, DBs.
- Get hands-on training in wiring, soldering, crimping, and reading diagrams.
- Practice installation, maintenance, and fault-finding.
- Build and configure switchboards for home, commercial, and industrial setups.

Course fees: 1000 + 18% GST
 Scan this QR code for registration

Mr. Nandkishor S Sangle
 Course Co-ordinator
 (866877508)

Dr. Sangita S Meshram
 Head Of Department

VPM'S B.N. BANDODKAR COLLEGE OF SCIENCE (AUTONOMOUS), THANE 400601
 NAAC REACCREDITED 'A' GRADE (THIRD CYCLE)
DEPARTMENT OF PHYSICS

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. Sanjika Suryawanshi (PRN: 2025420169) From T.Y.B.Sc. has Successfully completed the Certificate Course of **TWO credits(BCCES041)** for an Academic Year 2025-26, Titled "**Design and Troubleshooting of Electric Switchboards**" with Grade "**Q**." Conducted from 14th February-6th April, 2026, organized by the Department of Physics, VPM's B. N. Bandodkar College of Science(Autonomous), Thane.

MR. NANDKISHOR S. SANGLE Course Coordinator
DR. SANGITA S. MESHAM Head, Dept. of Physics
PROF. DR. VINDA MANIRAMKAR Principal

VPM's B.N. Bandodkar College of Science (Autonomous), Thane

Attendance

VPM's, B. N. Bandodkar College of Science (Autonomous), Thane
Department of Physics
Certificate Course
"Design and troubleshooting of Electric Switchboards" (2 Credit)
Attendance Sheet

Sr. No.	Name of Students	PHN No.	12/03/2026	13/03/2026	14/03/2026	15/03/2026	16/03/2026	17/03/2026	18/03/2026	19/03/2026	20/03/2026	21/03/2026	22/03/2026	23/03/2026	24/03/2026	25/03/2026	26/03/2026	27/03/2026	28/03/2026	29/03/2026	30/03/2026	
1.	SHRUTI KUMAR SANGHVI	2022420015																				
2.	Pratik Bhatnagar	2022420015																				
3.	Amita Nagarkar	2022420015																				
4.	Amrita Nagarkar	2022420015																				
5.	Sham Chaudhary	2022420015																				
6.																						

VPM's, B. N. Bandodkar College of Science (Autonomous), Thane
Department of Physics
Certificate Course Examination April 2026
"Design and troubleshooting of Electric Switchboards" (2 Credit)
Date: 06th April 2026
Time: 2 Hrs
Marks: 50

Sr. No.	Name of Students	PHN No.	Class and Subject	Sign	Remark
1.	BHARU Rahidal Mhate	2022420015	TYBSC 20201014		
2.	Chandhary Chaitan Shirode	2022420015	TYBSC 20201014		
3.	Amita Nagarkar	2022420015	TYBSC 20201014		
4.	Sanika Sureshramchi	2022420015	TYBSC 20201014		
5.	Nikita Yadav	2022420015	TYBSC 20201014		

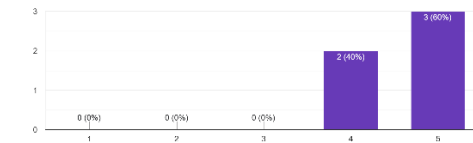
Mr. Nandkishor S. Sanglikar
Course Coordinator

Dr. Sanglikar S. Meshram
Head, Dept. of Physics

Feedback analysis

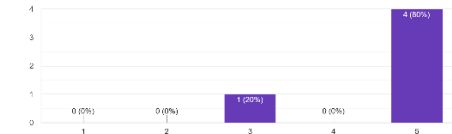
The course objectives were clearly explained?

5 responses



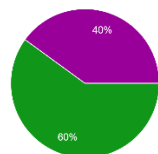
How did this course improved your technical skills?

5 responses



Practical demonstrations helped in understanding the topics.

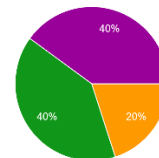
5 responses



● Strongly disagree
● Disagree
● Neutral
● Agree
● Strongly agree

The syllabus was relevant to electric switchboard design and troubleshooting.

5 responses



● Strongly disagree
● Disagree
● Neutral
● Agree
● Strongly agree