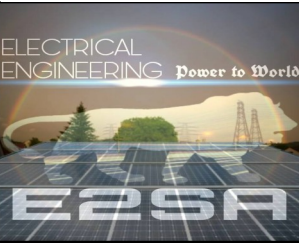




# VIDYUT

## ELECTRICAL ENGINEERING DEPARTMENT

### DEPARTMENTAL NEWS LETTER (2023-24) VOLUME I



## DEPARTMENTAL HEADLINE

- 1) UK design Patent— Electric Vehicle charging Station :** ( by Dr V. S. Biradar , Prof A.A. Kotmale, Prof M. T. Shinde, Prof S. S. Kulkarni , Prof A. V. Patil)
- 2) Indian Design Patent : Smart system for charging Electric vehicle** (by Dr V. S. Biradar)
- 3) UK design Patent : Hybrid Solar wind powered charging station for EV :** (by Dr V. S. Biradar)



- Special points of interest:**
- DEPT. HEADLINE
  - List of Patents:
  - Publications , Copy-rights ,AND BOOK PUBLICATIONS
  - NPTEL Online certification course
  - HOD'S MESSAGE
  - GUEST / EXPERT LECTURE
  - IIC ACTIVITY
  - 9th ALUMNI MEET
  - TG AT HOME
  - PRAYOG -2K23 AND UGCON
  - INDUSTRIAL VIS-ITS
  - REMARKABLE PLACEMENTS
  - TOPPERS LIST
  - STUDENTS AND STAFF ACIEVEMENTS
  - GROUP PHOTO @ AY BATCH 2022-23

## PUBLICATIONS , COPYRIGHTS ,AND BOOK PUBLICATIONS

**Prof. V. S. Biradar, HOD of Electrical Department, NBNSCOE has Published -**

**Paper in SCOPUS indexed Journal - 1)** Measurement: Sensors 31 (2024) 100995  
 Title: Uncertainty determination and reduction through novel approach for industrial IOT

**Paper published in SCOPUS indexed Journal - 2)** European Chemical Bulletin 2023, 12(Special Issue 4), 18143-1 8 1 5 1  
 Title: Design of Energy-Efficient SM Controller for Photovoltaic System with DC-DC Converter

**Copyright titled:** Academic Planning and Implementation of Engineering Institutes Dt. 27/12/2023

**Book Published:** A Text Book on Basic Electrical and Electronics

## NPTEL ONLINE CERTIFICATION COURSE

**Elite**

### NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**PRAJAKTA RAJU RAUTRAO**  
for successfully completing the course

Power System Protection and Switchgear

with a consolidated score of **68** %

Online Assignments	20/25	Proctored Exam	48/75
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Total number of candidates certified in this course: 631

Prof. Kaushik Ghosh,  
 Professor (Chemistry)  
 Coordinator IIC

Jul-Sep 2023  
 (8 week course)

Prof. Ranjana Pathania,  
 Professor (BSSE)  
 Coordinator (NPTEL)

Indian Institute of Technology Roorkee

Roll No: NPTEL23EE125S45090032      To verify the certificate      No. of credits recommended: 2 or 3

N. B. NAVALE SINHGAD COLLEGE OF ENGINEERING,  
Kegaon - Solapur, 413295

Institute Code : EN 6640      8380025688 / 8380025651 / 9420089228

### Electrical Engineering Department

CONGRATULATIONS

For Your Success in NPTEL Online Certification

**Sagar Karamal**  
Microprocessor & Microcontroller

**Prajakta Rautrao**  
Power System Protection and Switchgear

**Sagar Nadageri**  
Power System Protection and Switchgear

NBNSCOE Electrical Department

Nbn sinhgad solapur

Nbnscoc Solapur Electrical Engineering Department

[www.sinhgadsolapur.org](http://www.sinhgadsolapur.org)

**HOD's Message**

Dr. V. S. Biradar

I take the privilege to welcome you all on the publication of **Volume-II (AY 2022-23)** of newsletter “**VIDYUT**”, to the **Electrical Engineering Department at N B Navale Sinhgad College of Engineering, Solapur**. The department has well qualified staff with expertise in Power Systems, Control Systems, Power Electronics and Drives, Electrical Machines, Electronics, Systems & Automation and Computer Applications, assisted by skilled supporting staff. The department seeks to combine excellence in education and research with a view to survive in the industry. Our Laboratories have been very well established not only to cover complete syllabus but to motivate students to learn beyond the syllabus which definitely develops complete knowledge of the subject and develop skill sets of students to become promising engineers in future. The core values of the department help the students to develop their overall personality and make them



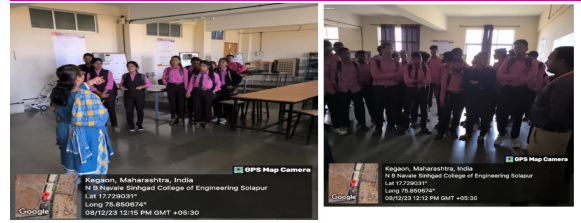
Event Addressed by Principal sir



Handson pic

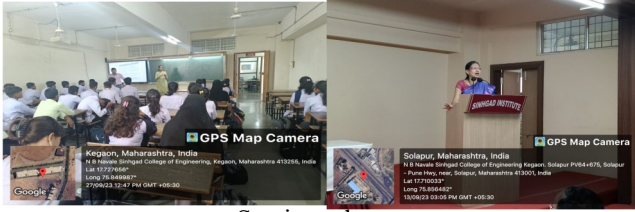
Five Days workshop on “Solar Light Control System Using Arduino” workshop was organized for students of Electrical Engg from 23/08/2023 to 27/08/2023. Main purpose of this workshop is to enhance skills of students. Resource person Mr. Praveen B. Mohite of the workshop having 10 years of experience in PCB design and Arduino.

## Technical and Techno social Workshop



A one day Techno social workshop on- “**Opportunities in Electrical Engineering**”., Prof S S Kulkarni and Prof M T Shinde Conducted workshop at Mahatma NBNSCOE Solapur on 12nd Dec 2023 for Haribhai D. Jr. Science College Solapur students. Total 32 students has attended this workshop & Motivated By HOD EED

## EXPERT LECTURE -1



Session photo

A Session on “Awareness for Professional Counselling Session” was conducted By Mrs S P Sagat (Asst Prof – NBNSCOE Kegaon Solapur) on 27<sup>th</sup> Sept 2023 for SY student. Total 32 students has attended the Expert lecture. The event was motivated by HOD Dr V S Biradar , Dr S H Kshirsagar (Central ICC Cell Incharge) and co ordinate by Prof S. S. Kulkarni

## EXPERT LECTURE-2



A expert Lecture on Awareness for ICC Cell, was conducted By Mrs S P Sagat (Asst Prof – NBNSCOE Kegaon Solapur) on 27<sup>th</sup> Sept 2023 for TY and Btech Students. The objectives of Internal Complaint Committee to Prevent Sexual Harassment of Women at the Workplace (For Girl students as well as ladies staff). Total 57 students has attended the Expert lecture. Event was motivated by HOD Dr V S Biradar and co ordinate by Prof S. S. Kulkarni



## EXPERT LECTURE -3



Session Pic 1



Session Pic 2

Expert Lecture on “Basics of Electrical Machines” was conducted By Dr. V S Biradar (HOD EED) on 15th Dec 2023 for SY students. Total 51 students has attended the event .This Event was motivated by Dr V S Biradar & co ordinate by Prof A A Kotmale & Prof A V patil . The main aim of this Expert lecture to clear basic fundamentals related Electric machines and their applications .

## EXPERT LECTURE -4



Session Pic



Guest Felicitation

Expert Lecture on “EME Subject – Maxwells equation” was conducted By Dr. Siddharudh S Shirgan (Professor at N B N S C O E –ENTC Dept.) on 2nd Dec 2023 for TY students. Total 41 students has attended the Expert lecture. The event was motivated by HOD Dr V S Biradar and co ordinate by Prof A A Kotmale and subject teacher : Prof S S Kulkarni  
The main aim of this Expert lecture to clear basic fundamentals related to Electromagnetics Engineering.





## TOPPERS LIST

BE	Name of the Student	% Marks (CBCS)	TY Btech	Name of the Student	% Marks (CBCS)	SY Btech	Name of the Student	% Marks (CBCS)
1 <sup>st</sup>	Wavare Supriya Bhausahab	81.69	1 <sup>st</sup>	Bhosale Pratiksha Mahesh	88.43% (1st rank)	1 <sup>st</sup>	Jadhavar Pragat Sharad	87.44 (2nd Rank)
2 <sup>nd</sup>	Patil Sanmeet Shrishail	81	2 <sup>nd</sup>	Naiknaware Madhuri Sunil	86.81% (6th rank)	2 <sup>nd</sup>	Dudhbhate Sujata Bhanudas	86.94 (4th Rank)
3 <sup>rd</sup>	Dhaware Akshay Uttreshwar	80.56	3 <sup>rd</sup>	Mali Apeksha Santosh	84.37%	3 <sup>rd</sup>	Gaikwad Mohini Bhairav	83.19
4 <sup>th</sup>	Pakhare Sushanit Suresh	80.44	4 <sup>th</sup>	Lomate Abhishek Arun	82.06%	4 <sup>th</sup>	Pawar Namrata Mansing	78.94
5 <sup>th</sup>	Khade Dipak Lahukumar	80.31	5 <sup>th</sup>	Salar Mohammad Arshad Altaf Husain	80.81%	5 <sup>th</sup>	Pawar Shivani Suresh	78.13

### STUDENTS ACHIEVEMENTS

### STAFF ACHIEVEMENTS

- Stars of Youth festival 20-23-24 held ( on 10 to 13 Oct 2023) - Mr Kishor Panchal, Mr Siddharam Pangulwale , Mr Uday Ayawale, Mr Omkar Koli , Mr Sandeep Bhoi, Mr. Aniket Kambale grabbed rank prizes in different events.
- Mr Onkar Tandale grabbed winner prize in poster presentation competition held at mechanical dept on occasion Engineers day on 15th Sept 2023
- Mr Sadashiv Hiremath has completed CPD Certified course in Electrical Safety Interactive version 3.1.1.also completed course in Linked in learning - Leadership Mindsets on 11 th Aug 2023
- Mr Gate Harshad , Mr Pragat Jadhwar and Ms Sujata Dudhbhate successfully completed Free online courses provided by Great learning Academy

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- Prof V. S. Biradar has successfully completed PhD course in Instrumentation Engineering
- Prof R P Landage participated in AICTE—ISTE approved 2 weeks STTP (Online mode ) on Recent developments in material and manufacturing processes
- Prof F M Valsangkar attended 1 week sttp on Cloud Infrastructure AWS at KJSIT Pune on 21/8/23 to 25/8/23
- Prof A A Kotmale ,Prof M T Shind and Prof S S Kulkarni One week online STTP on “Research Publication, Copyright and Patents in Science and Technology” at P R Rote College of Engg. And Management Amravati Automation, Communication & Security (ICETACS-2023 ) from 3/7/23 to 7/7/23

### VISION

- To Blossom globally competent Electrical Engineers to serve needs and challenges of society through technical ex-

### MISSION

- To provide quality education and create research oriented culture by implementing innovative teaching and learning practices

### GOALS

- To establish State of the art research facilities in the department
- To become globally recognized centre of excellence in fields of Electrical Engineering
- To undertake research and development works in leading technologies and Industries
- To set up the training infrastructure for conducting value added training programs and enhance the employability of students
- To strengthen Industry-Institute Interaction
- To provide technical support in areas of social relevance

### STUDENTS CORNER



• TG MEET





