



DEPARTMENT OF ELECTRICAL ENGG.

About the Department

**THE ENERGY
2021-22**

The Electrical Engineering Department is a department that focuses on the study and research of electrical engineering. Electrical engineering is a broad field that deals with the study and application of electricity, electronics, and electromagnetism. It plays a crucial role in various industries and technology sectors, including power generation and distribution, telecommunications, electronics, computer engineering, control systems, and more.

Special Features

- Education and Training
- Experience Faculty
- Well Equipped Laboratories
- Industry Collaboration
- Professional Development facility
- Community Engagement



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Kolhapur



महाराष्ट्र शासनाचा आदर्श शिक्षण संस्था पुरस्कार प्राप्त
SHRI PRINCE SHIVAJI MARATHA BOARDING HOUSE'S

NEW POLYTECHNIC, KOLHAPUR

Department Of Electrical Engineering

The Energy

VOL-1, ISSUE-4, JUNE 2021-APRIL 2022

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Message from Editor's Desk:

Welcome to the Electrical Engineering department's newsletter. The "THE ENERGY" newsletter has been launched. We're using this newsletter to stay in touch with our students, lecturers, and business partners in a digital format. The activities and accomplishments of the department will be highlighted in this newsletter. In addition, it informs readers about recent departmental events, such as institutional clubs, and student and staff accomplishments, as well as the latest departmental news. The department's future is bright, and we're eager to see what more the future holds. We would want to express our gratitude to every one of our faculty, staff, and students for your constant encouragement and support.

Editorial Committee:

Staff member

Mrs. S. P. Khot and Mr. U. K. Patil

Student member

Mr. PATIL PRATIKSHA SANDIP, Mr. NIKAM KUNAL SHIVAJI
Mr. KUMBHAR RUTURAJ BHIMRAO Mr. NIGAVE RAKESH SAMBHAJI

Message from Principal's Desk



I am delighted to take this opportunity to talk to you as the Principal that the primary vision of NPK is to develop skill-based competencies through practical teaching and learning process which help students to create an opportunity in public, private sector as well as to become an entrepreneur.

Moreover, this Newsletter is a complete package of different activities to be run viz. Faculty Excellence, projects and competitions in the field of Electrical in present Academic Year. I promise that EE Department will definitely endeavors to provide a wide platform for students' intellectuality in Engineering & Technology.

Dr. Sanjay H. Dabhole
Principal,
New Polytechnic, Kolhapur

Message from HOD's Desk



I do appreciate EE student's great participation in IEDSSA, New-Tech 2022, Sports and State level Project Competitions under the guidance of staff of EE. I also like to congratulate winning teams of EE Students. These achievements, efforts and their hard work has been commendable. Activities of the Newsletter are to focus the shine of light the department has exhibited. I wish everyone the best luck and encourage achieving greater heights.

Prof. B.B.Rajigare

Head of Electrical Dept

Institute Vision, Mission

Vision:

Excel the institute as a center of academic excellence to fulfill the global industrial and societal needs.

Mission:

M1. To offer value-added quality technical education and excellent academic training to our students.

M2. To prepare them for successful employment in industry/entrepreneurship and higher education by providing quality system-based teaching and learning processes.

M3. To employ innovative and technology- enhanced pedagogies interdisciplinary approaches, fieldwork, and project-based learning toward building a strong foundation of technical sensibilities and language competence.

M4. To build students as good technocrats, professionals, and responsible citizens through continuous improvements.

Department Vision, Mission, PEOs and PSOs

Vision:

The Vision of the Department is to create competent Electrical Engineers to excel in their skills in Electrical Engineering and to prepare them to enterprise through practical knowledge.

Mission:

M1. To create Engineers processing sound fundamental knowledge of Electrical Engineering.

M2. To develop technically strong professional Engineers to meet the demand of the Industries.

M3. To impart strong ethical qualities among students for serving the society.

Program Educational Objectives (PEOs)

PEO 1: Provide socially responsible, environment friendly solutions to electrical engineering related broad based problems adapting professional ethics.

PEO2: Adopt state-of-the-art Electrical engineering to work in multi-disciplinary work environments.

PEO3: Solve industrial problems individually and as a team member communicating effectively in the world of work.

Program Specific Outcomes (PSOs)

PSO1

Electrical Equipment-Maintain various types of rotating and static electrical equipment.

PSO2

Electrical Power System-Maintain different types of power system.

Departmental activities from JUNE 2021 to APRIL 2022

The department has always been contributing significantly to the growth of technical education. The Cultural Club has organized a talent Days to show case the cultural and co-cultural activities of students. The students have actively participated and presented the soft skills like singing, playing music, dancing and soon.

Department has organized “Circuit mania and Technical Quiz competition” in “New-Tech 2022” a State level technical event 2022 on 08th And 9th April 2022.

Events, Guest Lectures, Industrial Visits.

Sr.No	Name of Resource Person/Name of Industry/ Events	Topic Covered	Date	Participants
1	Mr. Sayaji Shinde, Mr. Abhijit Ghorpade, Dr. Vishal Sardeshpande, Mr. Milind Pagare, Dr. Rahul Mungikar	Prakruti Wandan 2021	1 st to 5 th June 2021	45
2	Celebration of Shivrajyabhishek day	Social activity	6 th June 2021	10
3	Tree Plantation	Social activity	26 th June 2021	20
4	Engineers day	Social activity	15 th September 2021	40
5	Career guidance from alumni student	Career guidance	3 rd January 2022	30
6	Staff NBA preparation visit at SGMRP, Gadhinglaj	Academic activity	26 th February 2022	35
7	Mr. Akash Hiddugi	Career guidance	29 th March 2022	40
8	NEWTECH- 2022 (Circuit Mania & Quiz competition)	Technical Activity	8 th and 9 th April 2022	27
9	Mr. Ratnakar Rawal	Industrial visit at power Engineers	21 st April 2022	48
10	Educational visit at different power plants	Industrial visit	13 th to 16 th April 2022	47
11	Institute level Annual Sports	Academic activity	22 nd to 28 th April 2022	40
12	Project Exhibition at Shahu Mill Kolhapur	Exhibition	1 st May to 6 th June 2022	4
13	IIC 4.0 Membership	Academic activity	30 th May 2022	6
14	Farewell Function of final year students	Academic activity	4 th June 2022	60

1. Prakruti Wandan 1st to 5th june 2021



KOLHAPUR EARTH WARRIORS
पर्यावरण विषयात जनजागृती करण्यासाठी, विषयाचा आवाका लक्षात घेण्यासाठी आणि कामाची दिशा मिळण्यासाठी आयोजित करत आहोत पर्यावरण रक्षण आणि संवर्धन व्याख्यानमाला....
पर्यावरणपूरक जीवनशैलीतून शाश्वत विकासाकडे!

प्रकृती वंदन २०२१
दि. १ जून ते ५ जून २०२१
संध्याकाळी ६.३० ते ७.३०
Zoom आणि YouTube Live

१ जून	२ जून	३ जून	४ जून	५ जून
 <p>श्री. सयाजी शिंदे मद. संस्थापक, सहाय्यी देवगई</p> <p>वृक्ष: नुसती सावली नाही तर माऊली!</p> 	 <p>श्री. अभिजित घोरपडे संस्थापक, भावनात्मक शक्ति पर्यावरण अभ्यासक</p> <p>आपल्या ऐतिहासिक जल व्यवस्थांचं करायचं काय ?</p> 	 <p>डॉ. विशाल सरदेशपांडे संस्थापक, जलविज्ञान अभियांत्रिकी संशोधन, IIT अहमदनगर</p> <p>पर्यावरण संवर्धनातील सामाजिक व्यावसायिक संधी</p> 	 <p>श्री. मिलिंद पगारे पर्यावरण अभ्यासक</p> <p>प्लास्टिक प्रदूषण आणि कचरा व्यवस्थापन</p> 	 <p>डॉ. राहुल मुंगीकर जल संशोधन, संस्थापक सहाय्यक, BPHS</p> <p>परिसंस्था विविधता आणि आपली जवाबदारी</p> 
संपर्क आशिष [9270061314], अभिजित [9823234590]		YouTube Live Link https://www.youtube.com/channel/UCMOfeQhCXyjkiEFgfZm_u		

2. शिवराज्याभिषेक दिन celebration at New Polytechnic, Kolhapur on 6th Jun 2021.



3. Tree Plantation on 26th June 2021 at New Polytechnic, Kolhapur



4. Celebration of Engineers Day at New Polytechnic, Kolhapur on 15th September 2021.



5. Our Alumni Miss Kajal Mahajan gives Guidelines for future enhancement in Electrical to the final year
3rd Jan 2022



6. Staff visit at SGMRP, Gadhinglaj for NBA work (26 Feb 2022).



7. Alumni Akash Hidadugi interaction with Final year students about entrepreneurship batch 2021-22 – (29 March 2022)



8. NEWTECH 2022



Shri Prince Shivaji Maratha Boarding House's
NEW POLYTECHNIC, KOLHAPUR
 R.S. NO. 264, Shantinagar, Hupari Road Unchagaon, Kolhapur.
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A State Level Technical Event – (08th-09th April, 2022)

NEWTECH 2022

newtechevents2022@gmail.com

<p style="text-align: center; color: red;">AUTOMOBILE</p> <p style="text-align: center; color: blue;">Paper Presentation Topics</p> <ul style="list-style-type: none"> • Advance features in Automobile Systems. • Electric Vehicles. • Alternative Fuels in IC Engines. • 3D and 4D Printing in Additive manufacturing. <p style="text-align: center; color: blue;">Paper Presentation Topics</p> <ul style="list-style-type: none"> • Effect of Stratal - VI Norms on Air Pollution. • Road Safety. • Digital Marketing. • Population Explosion. 	<p style="text-align: center; color: red;">ELECTRONICS & TELECOMMUNICATION</p> <p style="text-align: center; color: blue;">Paper Presentation Topics</p> <ul style="list-style-type: none"> • Artificial Intelligence. • Cloud Computing. • Electric Car. • MEMS (Micro Electro Mechanical Systems). • IOT Automation. <p style="text-align: center; color: blue;">Paper Presentation Topics</p> <ul style="list-style-type: none"> • Aerial photography. • Carbon free Kolhapur. • Smart City. • E-waste management. • Robotics.
<p style="text-align: center; color: red;">CIVIL</p> <p style="text-align: center; color: blue;">Paper Presentation Topics</p> <ul style="list-style-type: none"> • Green Buildings. • Scarcity of Water. • Wealth from the Waste. • Safety in Construction. <p style="text-align: center; color: blue;">Model Making Contest in Civil Engineering –</p> <p style="text-align: center; color: blue;">Models of any Civil Engineering Structure</p>	<p style="text-align: center; color: red;">ELECTRICAL</p> <p style="text-align: center; color: blue;">EVENT 1</p> <p style="text-align: center; color: blue;">CIRCUIT MANIA COMPETITION</p> <p style="text-align: center; color: blue;">EVENT 2</p> <p style="text-align: center; color: blue;">TECHNICAL QUIZ COMPETITION</p>
<p style="text-align: center; color: red;">MECHANICAL</p> <p style="text-align: center; color: blue;">Paper Presentation Topics</p> <ul style="list-style-type: none"> • Emerging Trends in Manufacturing Industry. • Role of Mech. Engineers in Environment Conservation. • T.O.M. • e-Vehicles. <p style="text-align: center; color: blue;">Paper Presentation Topics</p> <ul style="list-style-type: none"> • Climate Change. • e-Business. • Digital Manufacturing. 	

Prof. M. E. Ghosalkar
Event Coordinator
9822232526

Prin. V. B. Shinde
Principal

Shri. K. G. Patil
Chairman

NEWTECH 2022 Final Round of Circuit Mania Competition



Prize Distribution



NEWTECH 2022 Round of Technical Quiz Competition



NEWTECH 2022 Final Round of Quiz Competition



**9. Industrial visit at Power Engineers Gokul Shirgaon
on 21st April 2022**



10. Educational visit at 36MW Mahagenco Solar Power Plant, Shirshuphal on 13th to 16th May 2022



**Educational visit at Wind World Pvt. Ltd. Kaledon on
13th to 16th May 2022**



Educational visit at L&T Pune on 13th to 16th May 2022



11. Inter institute Sports 22nd to 28th 2022



Congratulations EESA cricket team



Inter Institute Department Football Sports Team



12. Participation in Project exhibition at Shahu Mill exhibition 1st may to 6 June 2022.



13. IIC membership of department 30 May 2022



14. Farewell function 10 June 2022



Sports

