



DEPARTMENT OF ELECTRICAL ENGINEERING

FROM HOD'S DESK



Dr. ARCHANA SHIRBHATE
Head of Department

The Department of Electrical Engineering has been established in the year 1999-2000. Since then the Department of Electrical Engineering has made landmark contributions to the development of cutting edge technology. Electrical Engineering is a basic branch of engineering that deals with the study and applications in various fields like Electrical, Electronics, Computer and many more. Electrical engineers are usually concerned with variety of applications and hence demanded in many of the areas of engineering. The department has well furnished and spacious laboratories as per AICTE norms with state of the art equipment in all the laboratories and dedicated 100 Mbps internet leased line. The teaching faculty is highly qualified, experienced and involved in research and development.

The department publishes 'News letter' which provides panoramic retrospection of round the year activities of department. Keeping in view the fast changing scenario, it is essential to develop various extracurricular skills like administrative, managerial, social etc. Department has formed the student forum named 'PHOENIX'. Under this banner, students of the department conduct various technical and non-technical activities for their overall development. Also looking into the need of the day there is a "Energy Conservation Cell" in addition to 'PHOENIX'. This cell creates awareness among the student and the society about the Energy conservation which is the major issue now a day.

Apart from the technical knowledge which is bounded by the syllabi, the department always intended to impart value based education to create not only good 'PROFESSIONALS' but also good 'NOBILIONS'.

MESSAGE FROM EDITOR

A thought that has been enduring in mind when it becomes real; is truly an interesting and exciting experience. This news letter was one such cherished work that had its roots in the persuasion. It would be a snapshot of the various activities and advancements for all associated with Electrical Department. To achieve progress and to meet objectives we have to cross numerous milestones. This issue of newsletter should inspire all of us for a new beginning enlighten with hope, confidence and faith in each other in the road ahead....

We have put whole-hearted endeavours to give a complete and kaleidoscopic view of laudable achievements for our department and institution.



Mrs. Ruhi Uzma Sheikh
Ass. Professor

Vision

To be an epitome of excellence with global standards in the field of Electrical Engineering for providing human resource capable of overcoming technological challenges for sustainable benefits to the society.

Mission

To impart quality technical education for creating competent graduates.

To develop graduates having capabilities of self learning.

To produce graduates qualified to address challenges in the field of electrical engineering.

To imbibe social and professional ethics in our graduates for development of society excel. I congratulate to all staff and





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ACADEMICS

The effort and dedication of these students reflects in their result. A heartily congratulations to all toppers.

7th Semester Topper's Winter-2018 Examination

 9th UNIVERSITY RANK Amber Qureshi 1st Topper 73.07% (SGPA= 8.73)	 Arshad Hasnain Mansuri 2nd Topper 72.92% (SGPA= 8.63)	 Vaishali Nandanwar 3rd Topper 72.15% (SGPA= 8.43)	 Riya Barsagade 4th Topper 72.31% (SGPA= 8.40)
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8th Semester Topper's Summer-2018 Examination

 10th UNIVERSITY RANK Amrin Ayyub Khan 1st Topper SGPA= 10.00	 12th UNIVERSITY RANK Shubham Nagorao Bhojar 2nd Topper SGPA= 9.42	 13th UNIVERSITY RANK Rasika Ramdasji Dharpure 3rd Topper SGPA= 9.15	 Afsha Ruhi Khan 4th Topper SGPA= 9.12
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5th Semester Topper's Winter-2018 Examination

 Tasleem Khan 1st Topper 80.57% (SGPA= 9.34)	 Sahil Shambharkar 2nd Topper 72.00% (SGPA= 8.55)	 Vikas Prasad 3rd Topper 70.14% (SGPA= 8.24)	 Suraj Rangari 4th Topper 68.71% (SGPA= 8.24)
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6th Semester Topper's Summer-2018 Examination

 Arshad Habib Mansuri 1st Topper 72.42% (SGPA= 8.52)	 Amber K A Qureshi 2nd Topper 72.28% (SGPA= 8.48)	 Riya Ashok Barsagade 3rd Topper 72.00% (SGPA= 8.31)	 Pranay B Jambhulkar 3rd Topper 69.57% (SGPA= 8.31)	 Vaishali Nandanwar 4th Topper 68.71% (SGPA= 8.24)
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3rd Semester Topper's Winter-2018 Examination

 Junaid Akhtar 1st Topper 72.61% (SGPA= 8.56)	 Dnyaneshwari Chhanikar 2nd Topper 71.53% (SGPA= 8.37)	 Md. Musharof Ahmad 3rd Topper 71.07% (SGPA= 8.07)	 Mohd. Zubair Khan 4th Topper 69.07% (SGPA= 8.15)	 Sukhdeve Santushti 4th Topper 69.07% (SGPA= 7.89)
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4th Semester Topper's Summer-2018 Examination

 Khan Tasleem Tabassum 1st Topper 78.15% (SGPA= 9.03)	 Megha Bhawan Bilone 2nd Topper 72.92% (SGPA= 8.52)	 Shambharkar Sahil 3rd Topper 72.76% (SGPA= 8.67)	 Navdhinge Sankalp Lakhani 4th Topper 71.07% (SGPA= 8.74)
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STUDENT ACHIEVEMENT FOR 2018

ACEDMIC TOPPER SUMMER 2018

VIII Sem First Topper
AMRIN AYYUB KHAN
Total Marks=554
SGPA= 10.00
UNIVERSITY RANK= 10TH

VII Sem First Topper
ARSHAD H HABIB MANSURI
Total Marks=507
SGPA= 8.52

IV Sem First Topper
KHAN TASLEEM TABASSUM
Marks=508
SGPA=9.3

ACEDMIC TOPPER WINTER 2018

VII Sem First Topper
AMBER QURESHI
Total Marks=475
SGPA= 8.73

V Sem First Topper
KHAN TASLEEM TABASSUM
Total Marks=564
SGPA= 9.34

III Sem First Topper
JUNAID AKHTAR M. SALEEM
Total Marks=472
SGPA= 8.56

SINGING COMPETITION MALE SOLO (25th JAN)

FIRST WINNER
SHIRANSH
IV SEM MAECHAICAL

SECOND WINNER
MANSOOR KHAN
VI SEM EXTC

SINGING COMPETITION FEMALE SOLO (25th JAN)

VII Sem First Topper
NAMRATA DEVHARE
VI SEM EXPO

SECOND WINNER
SOFIYA QURESHI
FISRT YEAR

DEBATE COMPETITION 25th JAN. 2018

FIRST WINNER
VISHLESH GODHANI
VIII SEM CSE

SECOND WINNER
MOHAMMAD SOHEL
VI SEM CSE

THIRD WINNER
TILAK MOTHGHARE
VI SEM MECHANICAL



FACULTY PUBLICATION

Sr. No.	TITLE OF THE PAPER	Name of the Author	Title of the Journal	Year of Publication	Institutional affiliation as mentioned in the publication
1	DC Microgrid-A Review on Advantages and Challenges in Protection	PRAMOD GADGE	ICEMELTS-18 (International Conference)	2018	Sandip University, Nashik
2	Renewable Electricity Generation by VAWT and solar energy	PRAMOD GADGE	ICIREST-19	Mar-2019	Tulsiram Gaikwad Patil College of Engg & Tech.
3	Design and implementation of Blind Assistance system	RUHI UZMA SHEIKH	JETIR	2019	ACET, Nagpur
4	Smart Stair-Climbing Wheelchair using Tri-Wheel Mechanism for Disabled and Elderly	DR. SAYYAD NAIMUDDIN	JETIR	2019	ACET, Nagpur
5	Irrigation control system by using GSM, for farmers for efficient use of water, power and crop planning	AKIL AHMED	JETIR	2019	ACET, Nagpur
6	Driving metro using onboard Super-Capacitor	NAJMA SIDDIQUI	JETIR	2019	ACET, Nagpur
7	Smart egg incubator system	YASMIN SAYEED	JETIR	2019	ACET, Nagpur
8	Smart egg incubator system	DR. SAYYAD NAIMUDDIN	JETIR	2019	ACET, Nagpur
9	Optimal scheduling of EV charging system	SHABNAM RUKHSAR	JETIR	2019	ACET, Nagpur
10	Optimal scheduling of EV charging system	RUHI UZMA SHEIKH	JETIR	2019	ACET, Nagpur
11	Optimal scheduling of EV charging system	PRAMOD GADGE	JETIR	2019	ACET, Nagpur
12	Optimal scheduling of EV charging system	YASMIN SAYEED	JETIR	2019	ACET, Nagpur
13	Fault finding and protection of loaded induction motor using micro controller	NAWAZ SHEIKH	JETIR	2019	ACET, Nagpur
14	Railway Track Cleaning Machine Using RF Module	NAHID KHAN	JETIR	2019	ACET, Nagpur
15	Blind Assistance System Using Refreshable Braille Display	ISHRAQUE AHMED	JETIR	2019	ACET, Nagpur
16	Voltage Unbalance Compensation for Distributed Generation Systems under Grid Fault	DR. ARCHANA SHIRBHATE	JETIR	2019	ACET, Nagpur
17	Internet of Things and It's Application	YASMIN SAYEED	JETIR	2019	ACET, Nagpur
18	Internet of Things and It's Application	RUHI UZMA SHEIKH	JETIR	2019	ACET, Nagpur
19	Internet of Things and It's Application	NAHID KHAN	JETIR	2019	ACET, Nagpur
20	Internet of Things and It's Application	ISHRAQUE AHMED	JETIR	2019	ACET, Nagpur
21	Internet of Things and It's Application	SHABNAM RUKHSAR	JETIR	2019	ACET, Nagpur
22	IOT Based Distribution Metering System For Monitoring and Controlling	RUHI UZMA SHEIKH	JETIR	2019	ACET, Nagpur
23	IOT Based Automatic Electricity Cut-Off for Non-Bill Paid Customer	RUHI UZMA SHEIKH	ICIREST-19	22-23 March 2019	Tulsiram Gaikwad Patil College of Engg & Tech.
24	Blind Assistance System Using Refreshable Braille Display	RUHI UZMA SHEIKH	ICIREST-19	22-23 March 2019	Tulsiram Gaikwad Patil College of Engg & Tech.
25	Effects of FACTs Device in Transmission Cost Processing Model	DR. ARCHANA SHIRBHATE	JETIR	2019	ACET, Nagpur
26	Transmission Cost Processing Model for Power Trading Markets	DR. ARCHANA SHIRBHATE	JETIR	2019	ACET, Nagpur
27	Distributed energy generation using vertical axis wind turbine with solar panel through dc microgrid	PRAMOD GADGE	JETIR	2019	ACET, Nagpur
28	Transmission Cost Processing Model for Power Trading Markets	NAJMA SIDDIQUI	ICGESD-19	FEB-2019	Government Polytechnic, Nagpur
29	Role of GIS and Remote Sensing in Natural Resource Management	NAJMA SIDDIQUI	ICGESD-19	FEB-2019	Government Polytechnic, Nagpur
30	Alternatives for Driving Metro Trains	NAJMA SIDDIQUI	ICGESD-19	MAR-2019	Tulsiram Gaikwad Patil College of Engg & Tech.





PLACEMENT

Electrical Engg. Department

Pearls shining at the campus...



PLACEMENT DETAILS 2018-2019

Company Placed	Name of Student Placed	Package (in Lacs)	Company Placed	Name of Student Placed	Package (in Lacs)
	CHRISTOPHER PAUL	12		SAMEER M. BARUA	1.2
	TUSHAR GAJBIYE	1.2		SURAJ S. LOKHANDE	1.2
	CHRISTOPHER PAUL	1.2		VINOD V. MAKODE	1.2
	TEJASWINI RAUT	1.2		YUGAL T. DEVHARE	1.2
	CHRISTOPHER PAUL	2.07		AASHU D. MANDOKAR	1.2
	ANJALI RAMTEKE	2.88		ANJALI R.RAMTEKE	1.2
	SAMIKSHA DHOLE	2.88		ANKITA D. POTBHARE	1.2
	ANIKET MAKODE	2.88		BHAGYASHREE S.WASNIK	1.2
	AAYUSHI GAJBIYE	2.88		DEEKSHA S. DESHPANDE	1.2
	CHRISTOPHER PAUL	2.88		JAISHREE T.SAMBHARE	1.2
	AKSHAY PAUNIKAR	2.88		NIKITA N. MANWATKAR	1.2
jaro education®	CHRISTOPHER PAUL	12		PRANALI D. JADHAV	1.2
	TEJASWINI RAUT	2.2		RIYA ASHOK BARSAGADE	1.2
	SALIM SYED	2.2		SAKSHI DILIP DHARMIK	1.2
	MEENAL TABHANE	2.2		SAMISH SANJAY DHOLE	1.2
	KASHISH RANGARI	2.2		SAMISHA C. UKEY	1.2
	ZAMIN NAQVI	2.2		SHRUTI S. CHICKHEDE	1.2
	GHAZIA AAFREEN	2.2		SONAM S. SAYYAD	1.2
		AABSHAR AHMAD SHEIKH		4.2	SONILI ASHOK WASNIK
	RANA SANJAY TAIWADE	4.2		TAHSEEN F. SAYYED	1.2
	AABSHAR A. SHIKH	1.2		TEJSHWINI R. RAUT	1.2
	ADITYA S. JAIN	1.2	SYED SALIM	1.8	
	AMIR ALI ASIF ALI	1.2		HATIM PATANWALA	1.8
	ARSHAD H. MANSURI	1.2		RANA TAYWADE	1.8
	FIROI GAUS SHEIKH	1.2		VAISHALI NANDANWAR	1.8
	HARSHAL S. JANBANOHU	1.2		ANJALI RAMTEKE	1.8
	MOHD S. QURESHT	1.2		SHRUTI S CHICKHEDE	1.8
	MOIZ AHMEA	1.2		SAMIKSHA S DHOLE	1.8
	RANA S. TAIWADE	1.2		TEJASWINI RAUT	1.8
	SAGAR K. KURVE	1.2			

Parents MEET

Our Dept. take care that the parents are regularly updated about their children's performance. Parent's Meet are regularly hosted by the department. Student's attendance and academic performance are shown to the parents. Feedbacks are taken from the parent's as well as students.



EXPERT'S GUIDANCE FOR POLISHING STUDENTS EXCELLENCE

GUEST LECTURE & SEMINAR

Sr. No.	NAME OF TOPIC	RESOURCE PERSON	DATE OF LECTURE	ARRANGED FOR SEM.
01	Importance of Higher Study	AKASH JAISWAL	19/01/19	IV SEM
02	Personality Development	ROWENA PHILIPS	07/03/2019	IV SEM, VI SEM VIII SEM



ONE DAY WORKSHOP

Fabrication of Solar Panel & LED



29/03/2019

Workshop under Women Cell



Institute of Engineers



03/01/2019

STUDENT FORUM "PHOENIX" and "ECC"



Student's Forum of Electrical Engineering Department was inaugurated on 7th SEPTEMBER 2018. The Principal (Dr. Sajid Anwar) , Chief Guest (Er. K. K. Umate), Key Note Speaker (Mr. Shadeep Walde), HOD Electrical dept.(Prof. Archana Shirbhate), Prof. Ruhi Uzma Sheikh(Student Activity Coordinator), Prof. Yasmeen Sayeed (Student Activity Co-coordinator), HODs of various department, Staff and Students were Present during the Inauguration.

NATIONAL CONFERENCE "Advances in Engineering & Applied Science"



INDUCTION PROGRAM

Induction Program of Electrical Engineering Department was inaugurated on 10th August 2018. The Chief Guest (Mr. Rahul Wadgaonkar) HOD Electrical Dept. (Prof. Dr. Archana Shirbhate), Prof. Ruhi Uzma Sheikh (Student Activity Coordinator), Prof. Yasmeen Sayeed (Student Activity Co-coordinator), Staff Members and Second Year Students with Students Committee were Present during the Inauguration.



INDUSTRIAL VISIT



HIGH RISE TRANSFORMER, MIDC, HINGNA



THERMAL POWER PLANT, KHAPERKHEDA



LOAD DISPATCH CENTRE, AMBAZARI NAGPUR



HYDRO POWER STATION, TOTLADOH

INDUSTRIAL TOUR



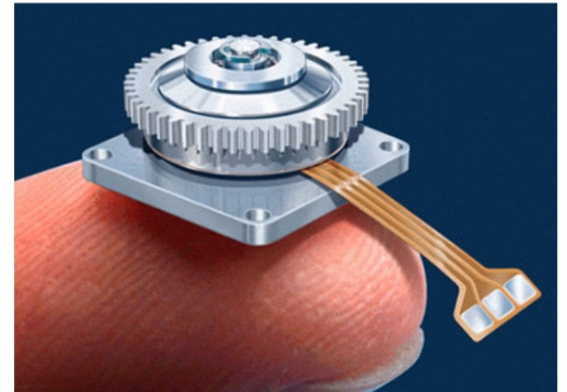
Ultrasonic Motors

An ultrasonic motor is a type of electric motor formed from the ultrasonic vibration of a component, the stator, placed against another, the rotor or slider depending on the scheme of operation (rotation or linear translation). Piezoelectric ultrasonic motors are a new type of actuator.

They are characterized by high torque at low rotational speed, simple mechanical design and good controllability. They also provide a high holding torque even if no power is applied. Compared to electromagnetic actuators the torque per volume ratio of piezoelectric ultrasonic motors can be higher by an order of magnitude. Ultrasonic motors are of great interest due to the flexibility of miniaturization in comparison with conventional electromagnetic motors whose efficiency decreases significantly. Especially in information systems and medical industry, compact size of these motors makes them find wider applications.

Applications :

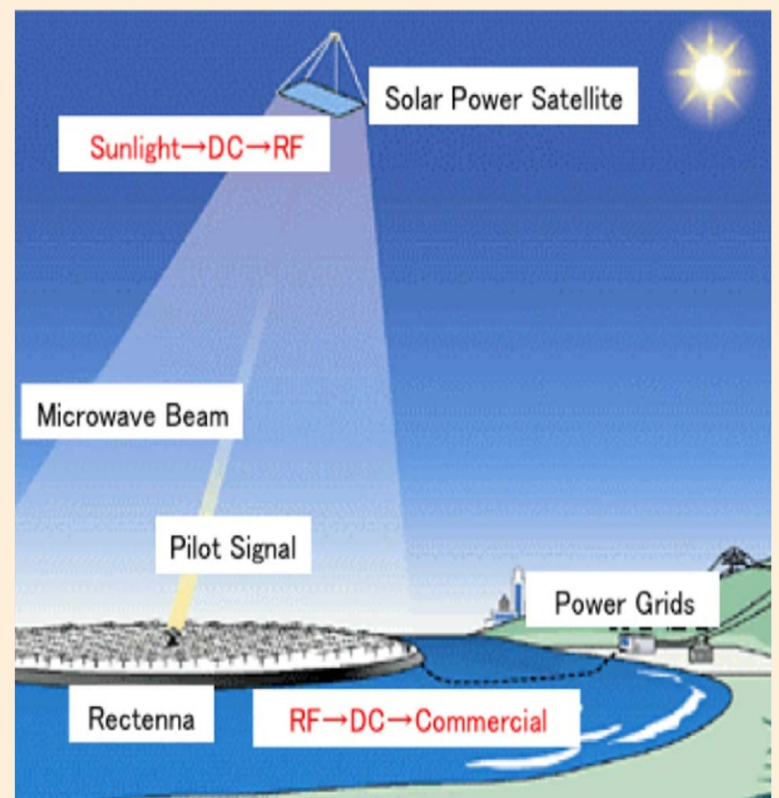
- Camera autofocus lenses
- Medical application
- Motion control
- Watch motors and compact paper handling
- Driving fluids.



Submitted by: Prinshu Indurkar
3rd Yr. EXPO

Wireless Electricity (Power) Transmission using solar based power satellite technology

In the near future thanks to in depth use of energy, limited supply of resources and the pollution in surroundings from gift resources e.g. (wood, coal, fossil fuel) etc., alternative sources of energy and new ways to generate energy which are efficient, cost effective and produce minimum losses are of great concern. Wireless electricity (Power) transmission (WET) has become a center of attention as research point of view and nowadays lies at top 10 future hot burning technologies that are square measure below analysis currently. The concept of transmitting power wirelessly to reduce transmission and distribution losses. The wired distribution losses are 70 - 75% efficient. We've tendency to cannot imagine the world without electric power which is efficient, cost effective and produce minimum losses is of great concern. Wireless power transmission will be possible in upcoming years and it will take us to bright future.



Submitted by: Shushant Nimgade
3rd year EXPO