

Newsletter

**July-December
2022**

**DEPARTMENT OF
ELECTRICAL AND ELECTRONICS
ENGINEERING**

Editorial Message

“No resistance can drop our potential”

*Heartily welcome to the **6th Edition** of our Departmental Newsletter.*

We are very delighted and proud in presenting this newsletter to showcase the latest developments and programs which happened in our department.

It is indeed a great pleasure to note that our Department is publishing the newsletter on half yearly basis on every aspect of activities and events held during the semester. The newsletter aims to bring into view various proceedings, functions, events, news, accomplishments and happenings in the Department.

News letter acts as a communication channel among the alumni, faculty, students and experts in Electrical and Electronics Engineering.

We are very much grateful to the Management, Rector and Principal for their continuous encouragement, inspiration and support extended for the release of this “NEWSLETTER”

Vision, Mission & PEOs of Electrical and Electronics Engineering Department

Vision

To impart technical education theoretically and practically to set global standards, making the students technologically superior, to face the technological challenges.

Mission

- To educate the students with the state of the art technologies in the field of Electrical and Electronics Engineering to cope up the growing industrial challenges.
- To prepare professionals with good technical skills who can contribute in research and innovation for the well being of the society and the country.
- To develop professional competency among the students, for achieving success in career, higher education and self-employability.
- To inculcate awareness, responsibility and ethical attitude for overall professional development.

PEOs

PEO1: Produce engineering graduates having strong foundation in mathematics, science, management and core electrical engineering in order to develop seamless knowledge for providing solution to engineering problems.

PEO2: Provide competent learning environment and develop entrepreneurship capabilities in the field of Electrical and Electronics Engineering with skill, creativity and innovation.

PEO3: Create high standards of ethical values and inculcate research capabilities among the graduates to help industry and society as a whole.

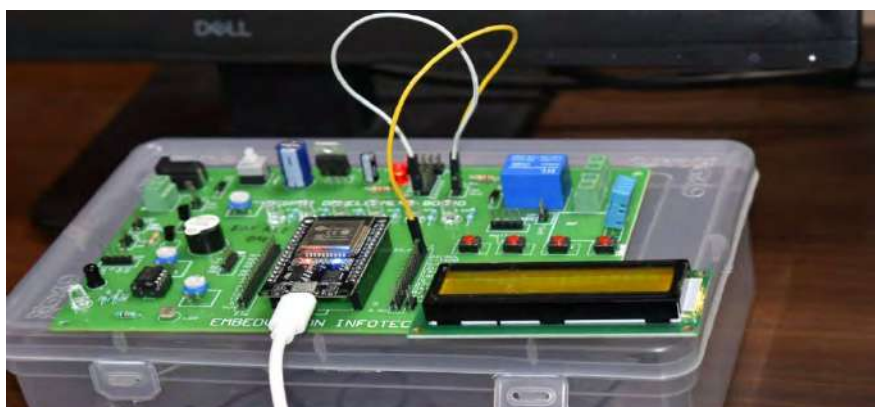
List of Contents

Sr. No.	Content	Page No.
1	(A) Departmental Activities	
2	I. IOT hands-on Training	
3	II. Industrial Visit – Parle Agro, Mandideep	
4	III. Industrial Visit - NITTTR - Siemens Centre of Excellence in Digitalization & Industry 4.0	
5	IV. Playing with Electrical Components	
6	V. Industrial Visit – Itarsi Locoshed	
7	VI. Site visit – Distribution Pole & overhead power line	
8	VII. EXPERT SESSION - "MATLAB & Simulink	
9	VIII. EXPERT SESSION - DESIGN & MANUFACTURING OF GENERATORS	
10	IX. MOU – Indeyes Infotech pvt. ltd	
11	X. INDUSTRIAL VISIT - CPRI	
12	XI. Seminar - National Energy Conservation Day	
13	XII. Workshop - Industrial Automation & IIOT 4.0	
14	(B) Student Activities	
15	I. FRESHERS 2K22	
16	II. Project Exhibition	
17	III. T.A.E.S. club Reformation & Engineer's Day Celebration	
18	(C) Achievement & Awards	
19	I. Acharya Chanakya Samman Award 2022	
20	II. NPTEL Certification	
21	III. Red hat Certification	
22	(D) Placement	

(A) Departmental Activities

IOT - Hands-on Training

The Department of Electrical & Electronics Engineering conducted a 15 day hands-on training on "Internet of Things (IOT)" technology. The students got a practical hands-on session based on live projects based on "IOT" - Internet of Things technology. It focused on design & implementation of IOT devices around "ESP32" with MicroPython Programming language.



INDUSTRIAL VISIT - PARLE-AGRO, MANDIDEEP

The Electrical & Electronics Engineering department conducted an Industrial visit to Parle-Agro, Mandideep on 9th of July 2022. This visit provided an industrial exposure to the students and to made them familiar to the Manufacturing Processes.



The department of Electrical & Electronics Engineering conducted an industrial visit to National Institute of Technical Teachers Training and Research (NITTTR), Bhopal on 15th of July 2022 to get the students acquainted with the concept of Industry 4.0, to make them industry ready and get familiarized with latest advancements in the technology.



"Playing with Electrical Components"

The Electrical & Electronics Engineering department organized a **training** "Playing with Electrical Components."

from 16th - 30th August 2022. The students learnt about various electrical instruments & tools under the following activities, Circuit design & breadboards, PCB Designing, Electrical Wirings, Wattmeter, CRO, Multimeter



INDUSTRIAL VISIT TO ITARSI LOCOSHED

The Department organized an industrial visit to Itarsi Loco-Shed (Electric loco shed), Itarsi, M.P. on 20th Aug 2022. The visit was highly fruitful for the students as they got the awareness of various electric loco and its equipment of the Indian Railways & also about their operations, repair & maintenance.



Site Visit to Distribution Pole & Overhead PowerLine, Gandhi Nagar

The students of the department went on a site visit to an Overhead Power Line & Distribution Pole on 28 August 2022 to witness the repair and maintenance task carried out by the technicians.

The overhead power line and distribution pole usually face faults during bad weather conditions.



EXPERT SESSION ON "MATLAB & Simulink

The Department of Electrical & Electronics Engineering conducted an Expert session on "Introduction to MATLAB & Simulink" on 7th September 2022. The expert for the session was Mr. Manoj Kumar, Sr. Application Engineer.



EXPERT SESSION ON DESIGN & MANUFACTURING OF GENERATORS

The Electrical & Electronics Engineering department conducted expert lecture on 12th of September 2022 & for the same invited Prof. Dilip Kumar Dey who has worked with B.H.E.L. as a General Manager and, he was the Guest faculty for Adani Power Training Institute, Jindal Institute of Power Technology and National Power Training Institute.

Prof. Dilip Dey shared his experience of Power plants and gave an insight of operation and construction of power plants covering all aspects of Electrical Engineering.

The lecture was highly motivational for Electrical Engineering students, as it inspired the students to pursue their career in power plants.





MOU signed with Indeyes Inotechpvt. ltd.

The Electrical & Electronics Engineering department & Electronics & Communication Engineering department jointly signed an MOU with Indeyes Infotech pvt. ltd. on 15th of September 2022 on the occasion of Engineer's Day.

IndEyes Infotech Pvt. Ltd. is a technology-oriented company flourishing in the field of IT and Electronics. They mostly work on providing training and development on the latest evolving technologies like IoT, Embedded System, Java, PCB Designing, MATLAB, Robotics, AI, ML, Data Science, etc.





INDUSTRIAL VISIT TO CPRI

The Electrical & Electronics Engineering department conducted an Industrial Visit to Central Power Research Institute (CPRI) on 11th Oct 2022.

CPRI is an organization for applied research in electrical power engineering which assists the electrical industry in product development and quality assurance.

Students learned and gained knowledge about various tests performed on machines such as: Impulse test on Transformer, Testing of Energy meters, Temperature test on Transformers.





National Energy Conservation Day

The Electrical & Electronics Engineering department organized a seminar on the occasion of "National Energy Conservation Day" under the banner of Institution Innovation Cell (#IIC SISTec). The expert for the session was (Asst. Professor, Electrical & Electronics Dept.) Mr. Aamir Naseer. The focus of the discussion was on increasing awareness of energy conservation, what India is doing to promote it, and what each individual's role in it is. It was a truly enlightening session, since the students learned about many ways, they might preserve energy for future generations.





Workshop on "Industrial Automation & IIOT 4.0"

The department of Electrical & Electronics engineering organized a workshop on "Industrial Automation & IIOT 4.0". The resource person for the workshop was (Automation Engineer, Arist Automation Pvt. Ltd.) Ms. Anjali Singh.

Ms. Anjali talked about how Industry 4.0 technologies are changing manufacturing. The Industry 4.0 concepts and technologies can be applied across all types of industrial companies, including discrete and process manufacturing, as well as oil and gas, mining, and other industrial segments were also covered in the workshop. She even briefed students that developing smart factories will provide an incredible opportunity for the manufacturing industry to enter the fourth industrial revolution.





(B) Student Activities

Freshers Party 2K22

"Freshers Party 2K22 was arranged by the students of Department of Electrical & Electronics Engineering for first-year students. The juniors were eager to meet their senior and college classmates and were dressed in the theme of black and red.

The seniors had introduced themselves and engaged the juniors in singing and activities, along with the distribution of titles Mr. EX and Miss EX. The title was bagged by the following students:

Mr. EX - Aditya Kumar

Miss EX - Palak Dhoke





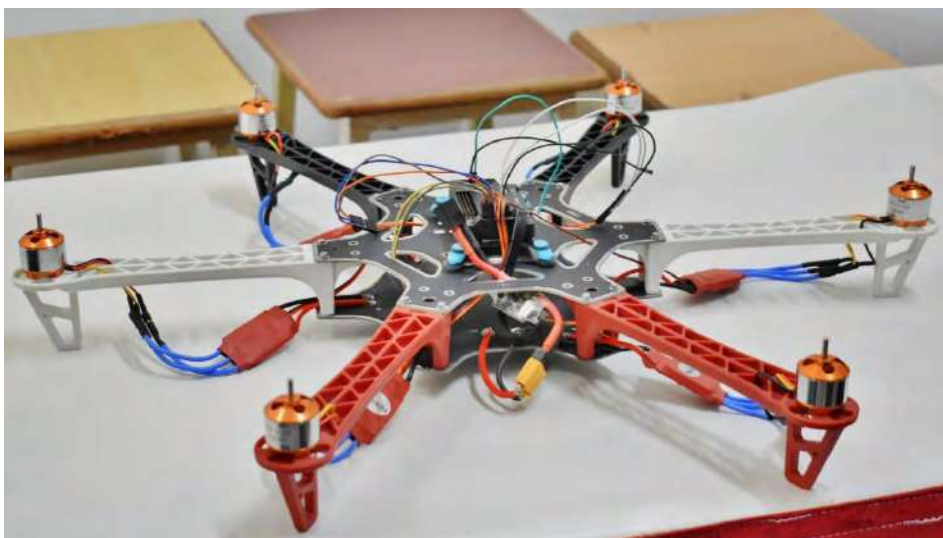


Project Exhibition

A project exhibition was organized by the students of Electrical & Electronics Engineering department exclusively for first year students on 19th Oct 2022.

Students presented various projects made by them such as Drone, Automatic sanitizer dispenser. The exhibition was conducted to develop awareness among the first year students towards innovation.





T.A.E.S. club Reformation & Engineer's Day Celebration

The students of Electrical & Electronics Engineering Department celebrated Engineer's Day on September 15th, 2022 to commemorate the birth anniversary of India's first Civil Engineer, Sir Mokshagundam Visvesvaraya.

Students also organized various events such as Entertainment Quiz, Rubik's Cube solving, Technical Quiz, Puzzle solving, followed by prize distribution.

With this, the occasion included the Reformation of T.A.E.S Club with its newly elected members who took the oath to acquire their respective badges.



(C) Achievement & Awards

Aacharya Chanakya Samman Award 2022

The prestigious Aacharya Chanakya Samman was presented to Dr. Murli Manohar, in a graceful award function held at Ravindra Bhawan, Bhopal on 20th August 2022, during the inaugural ceremony of Hindi special magazine "Chanakya Varta" released by International Divya Parivar Society (IDPS), New Delhi.



NPTEL CERTIFICATION

Prof. Pratima Gangwar of Electrical & Electronics Department Engineering successfully completed and acquired the Elite Certification from NPTEL.



The image is a celebratory graphic for NPTEL certification. At the top, it features logos for SISTec (Sagar Group of Institutions), AICTE, and NPTEL. The word "Congratulations" is written in a large, purple, cursive font. Below this, on the left, is a scan of the NPTEL Online Certification certificate for Ms. Pratima Gangwar, awarded for the subject "Basic Electric Circuits". On the right is a circular portrait of Ms. Pratima Gangwar. Below the portrait, her name and title "Ms. Pratima Gangwar, Assistant Professor, EX Dept." are listed. A badge on the right side of the graphic reads "GOT ELITE+SILVER BADGE". At the bottom, a purple banner contains the text "You are an inspiration to us". The footer includes contact information for SISTec: "Engineering | Pharmacy | MBA", "www.sistec.ac.in", "9109975760", and "Gandhi Nagar & Ratibad Campus".

SISTec SAGAR GROUP OF INSTITUTIONS[®]
SISTec Engg.
GANDHI NAGAR CAMPUS | www.sistec.ac.in
Approved by AICTE & Affiliated to RGPV Bhopal

AICTE
All India Council of Technical Education

NPTEL[®]

Congratulations

Elite
NPTEL Online Certification
Awarded to the Best Score in India
This certificate is awarded to
PRATIMA GANGWAR
for successfully completing the course
BASIC ELECTRIC CIRCUITS
with a consolidated score of **85** %
Online Assignments : 75.00% | Proctored Exam : 80.00%
Total number of students enrolled in this course : 200
3rd Dec 2022
(12:00 AM onwards)
swayam

Ms. Pratima Gangwar
Assistant Professor, EX Dept.

GOT ELITE+SILVER BADGE

You are an inspiration to us

Engineering | Pharmacy | MBA
www.sistec.ac.in 9109975760 Gandhi Nagar & Ratibad Campus

Red Hat Certification

Mr. Amit Kumar Yadav (Assistant Professor) from the Dept. of Electrical & Electronics Engineering, successfully got certified as a Red Hat Certified System Administrator.

SISTec
GANDHI NAGAR & RATIBAD, BHOPAL
ENGINEERING | MBA | PHARMACY

22
NAAC
Proud Achiever of
ARIIA 2021
NBA

SHOUT OUT
roaring the success...

CONGRATULATIONS
to
Mr. Amit Kumar Yadav
on being certified as a
**RED HAT CERTIFIED
SYSTEM ADMINISTRATOR**

Mr. Amit Kumar Yadav
Asst. Professor,
Department of Electrical & Electronics Engg.

B. Tech | M.Tech | MBA | B.Pharm | M.Pharm www.sistec.ac.in **#SaturdayShoutout**

D (PLACEMENTS)

SISTec
Sri Lanka Institute of Science & Technology
www.sistec.lk

ARRIA 2021
NSR

Congratulations
to our **Mechanical & Electrical Engineering** students
for getting placed in

Sagor
2019-23
BATCH

Profile : Graduate Engineer Trainee

Anurath Thero	Rajaraj Perera	Rajul Kumar	Devan Weerath
Chaminda Subashanka	Janakaya Sen	Fathima	Kamal Kalyani

**MAGNIFICENT
ACHIEVEMENTS**

SISTec
Sri Lanka Institute of Science & Technology
ENGINEERING | MBA | PHARMACY
www.sistec.lk

ARRIA 2021
NSR

Congratulations
to our **Electrical & Electronics, Electrical Engineering and
Electronics & Communication Engineering** students
for getting placed in

ENERQUAL
2019-23
BATCH

Profile : Graduate Engineer Trainee

M. Rajkumar Abirise	M. Anusha Ekantha	M. Kallika Ranjaya	M. Subandya Maruya	M. Sarani Kumbura
M. Rajindan Srinivas	M. Nishan Kumbura	M. Ekapriya	M. Shreyas Das	M. Sagar Kumbura

**MAGNIFICENT
ACHIEVEMENTS**







Congratulations

to our
**Mechanical, Electrical & Electronics and
 Electrical Engineering Students**
 for getting placed in




Profile : Graduate Engineer Trainee

			
Ajayash Kumar	Shubham Kumar Gupta	Rishi Mahato	Veerendra Prasad
			
Shweta Chhabra	Anil Anwar	Parish Mishra	Tejansu Narwaha

MAGNIFICENT PLACEMENTS







Congratulations

to our
**Civil Engineering and
 Electrical & Electronics Engineering Students**
 for getting placed in




Profile : Project Engineer - Trainee

	
Atish Kumar	Mohammad Sahil

MAGNIFICENT PLACEMENTS