Towards tomorrow

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Term: News Letter / Volume 6 / Issue date:



Presented by

PERIOD OF TECHNOLOGY

Greetings from the Dignitaries...



Mr. SARAVANAN PERIASAMY Chairman, PERI Institute of Technology & CEO, PERI Software Solutions Inc., U.S.A.

From our Chairman Sir...

I am proud to have students from Electrical and Electronics Engineering Department to come up with such a good collection of information .I would like to encourage them to continue their good work.



Mr. SASIKUMAR VEERARAJAN
COO. PERI Institute of Technology

From our COO Sir...

I congratulate all the students who have put their effort in bringing forth this newsletter of their department and also I like to congratulate all the faculty members and HOD for motivating their students towards this fulfillment.



Dr.PALSON KENNEDY
Principal, PERI Institute of Technology

From our Principal Sir...

The department newsletter will definitely help to showcase the activities that are happening in EEE department. It provides a platform for exposing the merits and academic achievements of the faculty and students . This would positively create an impact in the minds of readers, by way of providing larger perceptibility and dimension to the department . I congratulate all team members for their constant efforts in bringing this newsletter for this academic year 2021-22.

DEPARTMENT VISION:

To become a front-runner in bringing out competent Electrical and Electronics Engineers, innovators, researchers, and entrepreneur and thereby coontribute value to the knowledge-based economy and society.

DEPARTMENT MISSION:

- To offer good quality Under-Graduate, Post-Graduate and Doctoral programmes in electrical and electronics engineering.
- To provide state-of-the-art resources that contribute to achieve excellence in teaching-learning, research and development activities.
- To provide suitable forums to enhance the creative talents of students and faculty members.
- To enable students to develop skills to solve complex technological problems of current times and also provide a framework for promoting collaborative and multidisciplinary activities with moral values.

IINSIGHTS OF THE NESLETTER

❖ DEPARTMENTAL EVENTS

- **♦ NATIONAL SEMINAR**
- **♦ GUEST LECTURE**
- ♦ INAUGRAL FUNCTION OF STUDENT ASSOCIATION
- **♦ WORKSHOP**
- **♦ QUIZEE COMPETITION**
- **♦ INDUSTRIAL VISIT**
- **♦ FIELD VISIT**
- *** PLACEMENT ACTIVITIES**

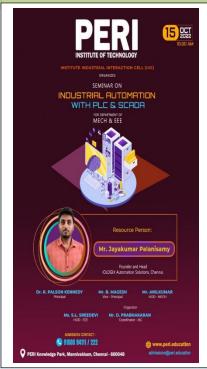
*** STAFF ACTIVITIES**

- **♦ NPTEL COURSE COMPLETION**
- **♦ JOURNAL PUBLICATIONS**
- **♦ FDP PARTICIPATION**
- **♦ PATENT FILING**

*** STUDENT ACTIVITIES**

- **♦** CO-CURRICULAR ACTIVITIES
- **♦** EXTRA CURRICULAR ACTIVITIES
- **❖ Women's Wellness Program**

NATIONAL SEMINAR ON INDUSTRIAL AUTOMATION WITH PLC AND SCADA



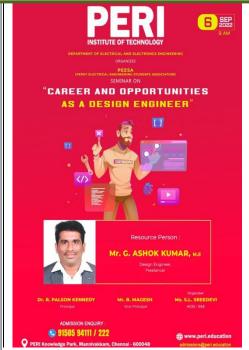


A Seminar on "Industrial Automation with PLC and SCADA" was organized on 15th October 2022 at 10.30A.m by the Department of Electrical and Electronics Engineering, Mech along with EEE Association of PERIIT. It was organized for the students of EEE department. Mr.Jayakumar palaniswamy Chennai was the resource person of the day. Mr.Jayakumar explained about Programmable Logic controller and Scada definitions and basics.





A Seminar on "Career and Opportunities As a Design Engineer"





A Seminar on "career and opportunities As a Design Engineer" was organized on 6th September 2022 at 9.00A.m by the Department of Electrical and Electronics Engineering along with EEE Association of PERIIT. It was organized for the students of EEE department. Mr.G.Ashok Kumar, Design Engineer,Freelancer Chennai was the resource person of the day. Mr.Ashok kumar explained the role of a Design Engineer in the present world and the career opportunities in the present world. Design Engineer is a professional in charge of **finding innovative** ways to create products that are functional and meet client wants and needs. They modify existing systems or develop new ideas for processes to make them more efficient. He explained the Roles and Responsibilities of a Design Engineer. He explained the basic description of Design Engineer job role which was posted in Linkedin. The EEE students were participated in the career and opportunities As a Design Engineer and understood various job roles in EEE department and how to apply them.

NATIONAL SEMINAR ON "LEARNING STYLE AND IMPORTANCE





The belief in learning styles is so widespread, it is considered to be common sense. Few people ever challenge this belief, which has been deeply ingrained in our educational system. Teachers are routinely told that in order to be effective educators, they must identify & pamp; cater to individual students' learning styles; it is estimated that around 90% of students believe that they have a specific learning style but research suggests that learning styles don't actually exist! This presentation focuses on debunking this myth via research findings, explaining how/why the belief in learning styles is problematic, and examining the reasons why the belief persists despite the lack of evidence.

GUEST LECTURE ON

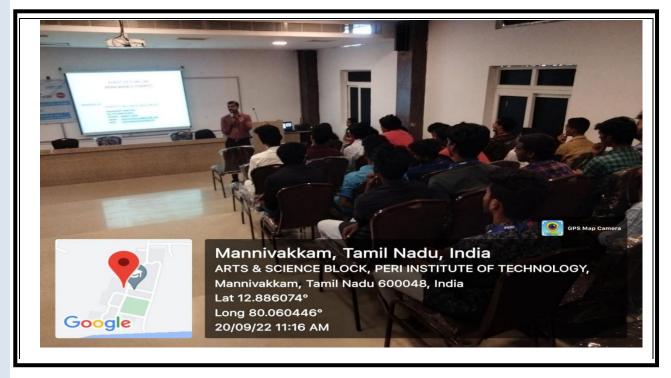


A Guest Lecture on "Renewable Energy" was organized on 20th September 2022 at 9:30 A.M pm by the Department of Electrical and Electronics Engineering along with EEE Association of PERI IT.

Kavin K S, M.E., M.B.A.,(Ph.D.), Managing Director of AB Technologies was the resource person of the day. He gave a brief overview of the electrical stream, nature of the course module, importance of it. He also narrated various job opportunities of the course for the student community.

The renewable sources and its importance is emphasized in the lecture. He also focused on the different types of DC-DC converters that were involved in the energy harnessing from the renewables. The detailed analysis of the various MPPT algorithms were entailed in the lecture. Our Students found it a great opportunity in knowing these things and the guest lecture was in deed a successful one.









GUEST LECTURE ON ARTIFICIAL INTELLIGENCE



A Guest Lecture on "**Artificial Intelligence**" was organized on 2nd August 2022 at 2 pm by the Department of Electrical and Electronics Engineering along with EEE Association of PERIIT.

Ms.C.Santhiya, project Engineer, Pantech Solutions, Chennai was the resource person of the day. She explained about the importance of Artificial Intelligence in daily life .She explained various projects related to Artificial Intelligence. She demonstrated the power of AI in making better decisions, improving core business processes with increased speed and accuracy of strategic decision-making processes. Its nature of reducing human effort is highlighted besides its feasible support in many industries to develop autonomous robots for performing various activities.

Ms.C.Santhiya also laid emphasis on Python language and its simplicity over other languages. She emphasized the students to get trained in this **OSI approved** open-source licensed language. In deed the guest lecture was a eye opener for our EEE students.

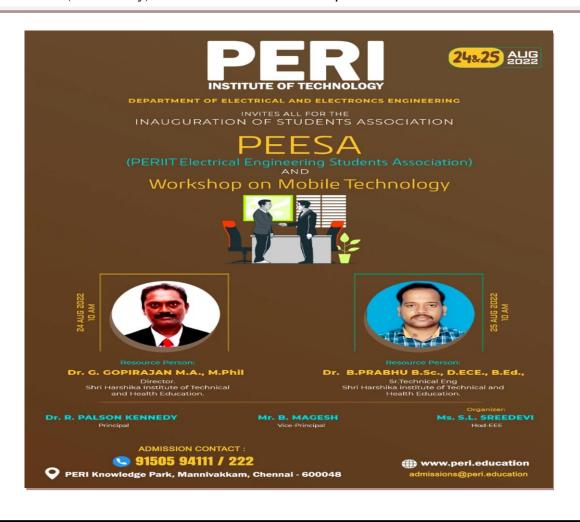






INAUGRAL FUNCTION OF STUDENTS ASSOCIATION

The Department of Electrical and Electronics Engineering inaugurated students Association "**PEESA - PERIIT Electrical Engineering Students Association**" on 24/08/2022 (Wednesday) at about 9:00 a.m. to 12:00 p.m.





Surya (IV year EEE), President of PEESA introduced all the Office Bearers of the "PEESA".



Dinesh Kumar was given Student Secretary badge by Vice Principal



Balaji was given Secretary badge by Vice Principal

OFFICE BEARERS OF THE "PEESA".

ASSOCIATION MEMBERS

PRESIDENT: SURYA

VICE PRESIDENT:ARUNACHALAM

TREASURER: PONNARASI

JOINT TREASURER: RAMYA

SECRETARY: BALAJI

JOINT SECRETARY: NITHEESH

SRIKANTH

STUDENT SECRETARY

MEMBERS

1.DINESH KUMAR

2.ASHISH

3.THOMAS

4.THIVYA



Nitheesh was given Joint Secretary badge by Vice Principal



Thomas Richard was given Student Secretary badge by Vice Principal



Ashish was given Student Secretary badge by Vice Principal

WORKSHOP ON MOBILE TECHNOLOGY



Our Vice principal **Mr. B. MAGESH** felicitated our Chief Guest, Mr.G.Gopirajan, Director, Shri Harsha Institute of Medical and Health Education Chennai.



Our Vice principal Mr. B. MAGESH

addressed the gathering & he reminded duties and responsibilities of the electrical engineers for the society.

A Workshop was conducted on "MOBILE TECHNOLOGY" was organized by EEE department on 24st August 2022and 25th August 2022. This seminar was attended by 86 students from Second year, Third year and Final year of EEE department. In this worshop, the students came to know about basics of Electrical engineering and different power generation methods

Mr.G.Gopirajan,Director, Shri Harsha Institute of Medical and Health Education Chennai. having profound knowledge in Mobile Technology was thr resource person of the day.

The students came to know about the recent technologies in Mobile Technology. Overall, this technical seminar was knowledgeable and interactive for our students.

WORKSHOP ON MOBILE TECHNOLOGY...

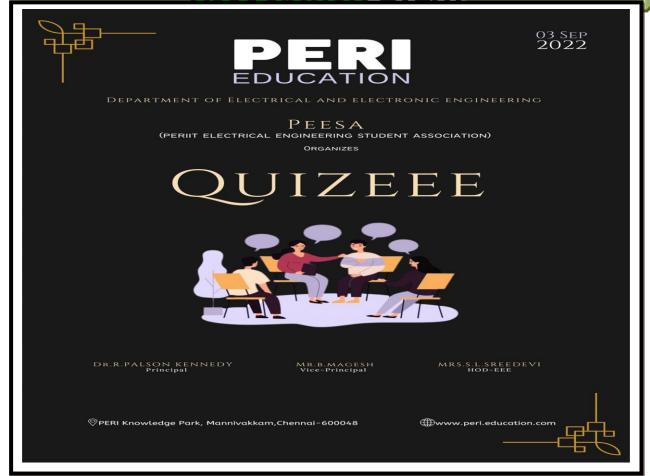


Mr.G.Gopirajan,Director,Shri Harsha Institute of Medical and Health Education Chennai has inaugurated the "PEESA"



Hands on training session by resource person Dr.B.Prabhu

QUIZEE COMPETITION -STUDENTS ASSOCIATION -EVENT



A Quizeee competition was conducted on the topic based on Technical and Non Technical was organized on 3nd September 2022 at 2pm by the Department of Electrical and Electronics Engineering along with EEE Association of PERI IT. Mr.P Surya, President of EEE department, Student Association, has conducted the Quiz event.

The Event was conducted at 2pm and a written test was conducted at preliminary stage for the candidates. Then four teams were selected for the next level and issued buzzer for the selected candidates. Team1 comprising C.Archana Jenifer and Dinesh kumar.V has won the first prize and second prize is shared by Pothigachalam and Bubesh.B team.





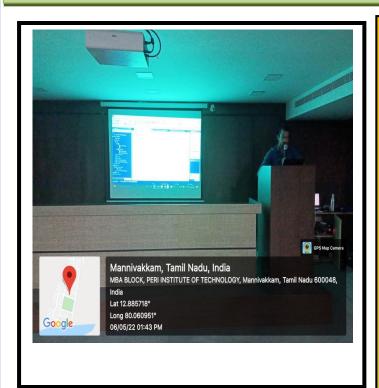








WORKSHOP – INDUSTRIAL AUTOMATION



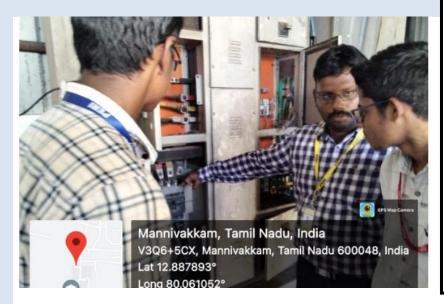


A workshop on "Industrial **Automation**" was organized on 6th May 2022 at 9 am by the Department of **Electrical and Electronics** Engineering along with EEE Association of PERI IT. It was organized for the students of EEE department. Mr. M. Dinesh Kumar Senior Project Engineer, PEAS Automation & Technologies Pvt Ltd. Manager, Maintenance Department, Chennai was the resource person of the day. He elaborated on "Industrial Automation". He also narrated the "Overview of necessity of industrial automation". Chennai elaborated the importance of Industrial Automation. He explained the operation of PLCs in various processes of as plant. The Chief Guest also insisted the PLC programming and automation in industries in possible ways. Then, he gave some tips to the students on how to understand and follow the various steps and methods in elegant ways. He also explained about the critical reflection techniques in detail. He demonstrated the PLC programming and real implementation of automation in industries.

ONE-DAY FIELD VISIT to "PERI, Power Transformers"



PERI Power transformers connections with HV/LT side



EEE students getting information about wiring of transformers connections

To get practical knowledge and to give an insight about the way things work in the real life scenario, a one-day field trip to **PERI, Power Transformers**was organized

on 17.09.2022 by Ms.S.L. Sreedevi, HOD-EEE

of PERI IT.

Under the guidance of Asst. It Antony Charles Asst. Mr. Tamilamuthan Asst. prof, Mrs. P. Yamuna Asst. prof.
Mrs Irin Loretta, Asst. prof.
the field trip was a grand success conducted exclusively for the EEE students.







INDUSTRIAL VISIT - TANGEDCO, PUDUTHANGAL SUB STATION



Students getting information about Power distribution in TANGEDCO



110/33-11KV Construction details of transformers outer unit connection

A one-day field trip to Axis Global Industries Private Limited, Ashok Nagar, Nanganallur was organized on 2.05.22 by Mrs. S.L. Sreedevi, HOD-EEE of PERI IT. Under the guidance of Dr.P.Yamuna Associate Professor, R.Tamilamuthan Assistant Professor, G.Irin Loretta Assistant Professor the field trip was a Grand success conducted exclusively for the students of second, third EEE students. Axis Solutions Pvt. Ltd started with analytical and analyzer system solutions like CEMS, SWAS, GAS, Purge Panels, HVAC, Analyser Shelter, TOC, COD, EQMS Analysers.



Power surge operation across transformer end in TANGEDCO



110/33-11KV Power distribution to consumer end at various loads



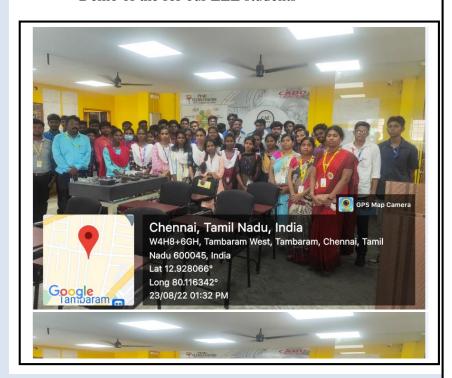
RTU generation power transmission and distribution



INDUSTRIAL VISIT - PUMO TECHNOVATION, TAMBARAM



Demo of the for our EEE students



Demo of the Building Management systems for our EEE students

To get practical knowledge give an insight about the way things we the real life scenario, a one-day indivisit to PUMO Technovation Tambara organized on 23.08.2022 by Marked Sreedevi, HOD-EEE of PERI IT.

Under the guidance of Dr.G.IrinLoretta
Assistant professor, Mr.A.Antony
Charles Assistant professor, Ms
Vijayalakshmi Assistant Professor,
Mrs Himaja Assistant Professor the industrial visit was a grand success conducted exclusively for the students of second, third and final year EEE students. All the faculty co-ordinators dedicatedly deploy themselves to make the field trip a tremendous success reviews at the end.



PLACEMENT ACTIVITIES - TATA STRIVE









A training program was conducted for the Technical development of the students in the name of "TATA STRIVE -2022" for the students batch 2022-23 from October 10^{th} of 2022 to 2^{nd} December of 2022.

CONSOLIDATED REPORT OF PLACED STUDENTS FOR THE YEAR 2021-22 (EVEN SEM)

S No	NAME OF THE COMPANY	NO. OF STUDENTS PLACED	Placed student Name	SALARY PACKAGE (PER ANNUM)
1.	Sutherland Global		Savitha.R	
•	Services	1		2 L
2.	Syrma SGS Technology		Balaji.S	2.5 L
	Ltd	1		
3.	Renault Nissan (P) Ltd	1	Balaji.S	4.5 L
			Balaji.S	
4.	Telliant Systems (P) Ltd	1	Dalaji.5	3.5 L
			Balaji.S	
5	Codeking Technology		Surya.P	2.5 L
		2		
		3	Iyappan.P	









STUDENT CO-CURRICULAR ACTIVITIES

STUDENT CO-CURRICULAR ACTIVITIES

<u>S.No</u>	Names of the student batch members	Event participated	Participated college	Prizes won
		Project Display	S.A Engineering College	First place
	S. Balaji. V.	Paper Presentation	Kongunadu Engineering College	First place
1		Technical Quiz	Kangeyam Engineering College	Participation
1	Prakash, K. Ponnarasi	Technical Quiz	Loyola College of Engineering	First place
		Technical Quiz	St. Joseph College of Engineering	First place
		Project Display	Dell Passion Project	Second place
2	M.Vinoth kumar,	Non Technical Quiz	St. Joseph College of Engineering	First place
	S.Abimanyu	Connection	St. Joseph College of Engineering	Second place
	Hariharan.R, P.Iyappan	Circuit Debugging	St. Joseph College of Engineering	Participation
3		Technical Quiz	St. Joseph College of Engineering	Participation
		Non Technical Quiz	St. Joseph College of Engineering	Participation
4.	J.Likhitha	Quiz	Peri Institute of Technology	Participation
5.	M.Durairaj, R.Savitha	Paper presentation	St. Joseph College of Engineering	Participation

STUDENT CO-CURRICULAR ACTIVITIES - CONTD....

6.	M.Vinoth kumar, P.Iyappan, P.Surya	Project presentation	St. Joseph College of Engineering	Second place
7.	C.Archana Jenifer, R.Savitha	Non Technical Quiz	St. Joseph College of Engineering	Second place
8	C.Archana Jenifer, R.Savitha	Connection	St. Joseph College of Engineering	First place
9.	P.Surya, V.Dinesh kumar	Technical Quiz	St. Joseph College of Engineering	Second place
10.	V.Dinesh kumar, Hariharan.R, S.Abimanyu	Paper presentation	St. Joseph College of Engineering	Participation
11.	C.Archana Jenifer	Paper presentation	St. Joseph College of Engineering	Participation

STUDENT CO-CURRICULAR ACTIVITIES-INTERNSHIP DETAILS

<u>S.No</u>	Names of the student members	Year of studying	Internship Details	Duration of the course	Name of the Institute/Organisation awarding
1	Thivya.S	II Year EEE	Power Python Turbo C++- On line course Power BI Digital power	1 hour 12 week 1 hour 1 hour	LUDIFU Great Learning Academy LUDIFU LUDIFU
2	Ramya.S	III Year EEE	Industrial fabrication	12 days	Easa Krupa Engineering(P) Ltd
3	Janarthanan.k	III Year EEE	Store Assistant training	17days	Polycab India Ltd





CONGRATULATIONS!



ANOTHER MILESTONE IN THE SUCCESS HISTORY OF PERI INSTITUTE OF TECHONOLOGY AS 5 STUDENTS OF EEE GOT SELECTED TO SHOWCASE THEIR SKILLS IN THE GRAND FINALE OF DELL PASSION PROJECT 2022 ON 11.10.22 IN HOTEL MARRIOT, MUMBAI. HEARTIEST CONGRATULATION AND BEST WISHES.

> S. BALAJI K. PONNARASI V. PRAKASH R.L ARUNACHALAM S. CHANDRU

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(iii) www.peri.education admissions@peri.education

Balaji(IV EEE), Ponnarasi(IV EEE), Prakash. V(IV EEE) Arunachalam. R. L(III EEE), S.Chandru(III EEE) has won a second prize in the national wide **DELL INDIA –Passion Project** organized jointly by **DELL INDIA** and **PERI Education-Placement Department** on 15-09-2022.

CONGRATULATIONS TO THE WHOLE TEAM!!!!

STUDENT EXTRA-CURRICULAR ACTIVITIES

<u>S.No</u>	Names of the student members	Event participated	Name of the College participated	Date of the event
1	S.Abimanyu	Anna University Zonals- Kabbadi	SRM Valliammai Engg College	06-11-2022
2.	R.Sivaraj	Anna University Zonals- Kabbadi	SRM Valliammai Engg College	06-11-2022
3.	S.Abimanyu	Anna University Inter Zonals- Kabbadi	Sri RajaRajan College of Engineering	20-11-2022 to 22-11-2022

STAFF ACTIVITIES

NPTEL COURSE COMPLETION

- 1.Ms.S.L.Sreedevi completed a 8 week NPTEL course on "Introduction to Smart grid "with an Elite Cadre.
- 2. Ms.S.L.Sreedevi completed a 12 week NPTEL course on "Solar Energy Engineering and Technology" with an Elite Cadre.
- 3. Ms.S.L.Sreedevi completed a 12 week NPTEL course on "Basic Electric Circuits".
- 4.Mr.R.Tamilamuthan completed a 12 week NPTEL course on "Solar Energy Engineering and Technology "with an Elite Cadre.
- 5. Mr.R.Tamilamuthan completed a 12 week NPTEL course on "Basic Electric Circuits".
- 6.Dr.Irinloretta.G completed NPTEL course on "Cryptography and Network security "scoring with an Elite cadre
- 7.Mr.Antony Charles.A completed NPTEL course on "Solar Energy Engineering and Technology "with an Elite Cadre.

JOURNAL PUBLICATION

2	S.No	Author Name	Name of the Paper	Name of the Journal	ISSN number	Published Month & Year	SCI/Scopus/ UGC
	1	Mrs.S.L.Sreedevi	An Ac-Dc single stage Full bridge hybrid converter with improved output characteristics	IJIRT	2349- 6002	July2022	UGC
	2	Dr.G.Irin Loretta	An Ac-Dc single stage Full bridge hybrid converter with improved output characteristics	IJIRT	2349- 6002	July2022	UGC

PATENT FILED:

	Name of the			Published
S.No	Applicant	Name of the Patent	Application no	Date
1	Mrs.S.L Sreedevi	Artificial Intelligence Based Approach To Study The Issues Associated With Fuel Cells To Reduce Cost And Increase Sustainability	202211061210 A	11-11-2022
2	Dr.G.Irin Loretta	Deep Learning Based System To Analyze And Support The Process Of Cleaning Solar Seperators In Solar Energy Enabled Devices For Harvesting Solar Energy	202211060209A	4.11.2022
3	Dr.P.Yamunaa	System For Blind Person Intelligent Walking Stick By Integrating Machine Learning And Internet Of Things	2.01941E+11	10-11-2022
4	Dr.P.Yamunaa	Smart Parking System Using Ai Of Things (Aiot)	202241024357 A	27/05/2022
5	Mr A Antony Charles	Iot Enabled Energy Efficent Advanced 6g Communication Network Systems	2.02241E+11	17.09.2022

WOMEN'S WELLNESS PROGRAM



A women's wellness program on "Mission Pink Health" was organized on 18th October 2022 at 10 am by the Women Empowerment Cell. It was organized for all the women staff and students of PERI Institute of Technology.

Dr.R.S.Kiruthika Devi, M.B.B.S., DGO Obs., & Gynaecologist, Chairperson of Indian Medical Council, Chennai was

the resource person of the day.

The guest speaker started addressing the gathering and explaining the common issues women face nowadays. awareness of the mensural cycle especially among students was explained in detail. She also explained breast cancer and how to do the self-test periodically for early detection and prevention. The importance of knowing about Uterus cancer and its different types was explained to bring awareness to the women's workforce.









Our Editorial Team Members

- ❖ Mrs.Sreedevi.S.L. HOD/EEE
- ❖ Ms.Vijayalakshmi.A AP/EEE
- ❖ Archana Jennifer Final year/EEE
- ❖ Sabitha.R second year/EEE

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