

SHANTI EDUCATION SOCIETY'S
A.G. PATIL POLYTECHNIC INSTITUTE
SOLAPUR

IoT NOW

a News Letter

2022-23

**Department of Electronics and
Telecommunication Engineering**

Navigator

- Academic Achievements, Co-curricular and extra curricular activities
- Annum 2K22 Twelfth National level paper presentation organized by MSBTE
- Structured E-phlox state level competition
- Engineers Day Celebration
- Expert lectures and Industrial units
- Projects
- Placements
- Traditional Day
- Staff Information
- College Intake Information

WELCOME

It gives me immense pleasure to introduce newsletter of the Electronics and Telecommunication Engineering program for the academic year 2021-22. Our program has been "NBA" accredited and got Excellent grade from a monitoring committee of MSBTE. The program has 60 intake of students. Total _ faculties are working in our program.



As per our vision, our team strives to persistently improve the educational environment in our program. We are always engaging our students in the activities for overall development of various aspects like Technical knowledge, Skills, Attitude, Ethics, Team spirit required for a professional. So, we have conducted SAP Training Program, Entrepreneurship Awareness Camp for third year students Personality Development for all students.

Thank You,
Mr. Bagban S. R.
H. O. D.

Vision:

To provide excellent quality education in the field of Electronics and Telecommunication Engineering to create professionals for meeting the demands of industry, business and society.

Mission:

- M1:- To equip students with strong foundation of knowledge, skills, attitude and team spirit required for a professionals.
- M2:- To prepare students for a bright career, entrepreneurship in the field of Electronics Engineering.
- M3:- To inculcate responsibility towards Environment and society.

Program Educational Objectives (PEOs):

- To provide students with basics in Electronics Engineering.
- To develop an ability to apply Electronics systems to function effectively.
- To work for society with professional ethics, team spirit, effective communication and life long learning skills.



ACADEMIC ACHIVEMENTS CONGRATULATIONS



THIRD YEAR



Mr. KHUSHI KUMARI
First (T.Y. 87.06%)



Ms. MITTHA AKSHAY
Second (T.Y. 86.71%)



Mr.
DE-

SECOND YEAR



Mr. PATIL AMRUTA
First (S.Y. 92.76%)



Mr.
AAYUSH GUNJAN



Ms. DUMMANWAR POONAME
Third (T.Y. 84.39%)

FIRST YEAR



Ms. TAPAKE NEEL
First (F.Y. 87.44%)











Mr. HORTI SHREYA
Second (F.Y. 86.21%)



Ms. JADHAV SNEHA
Third (F.Y. 883.63%)

Co-Curricular and Extra Curricular Activities

	Name of Student & Event	Images
1	<p style="text-align: center;">MS. GAVANDI SAMIKSHA</p> <p>Third prize in National Level Paper presentation @E&TC Department AGPPI Solapur</p>	
2	<p style="text-align: center;">MS. KULKARNI SUPRIYA</p> <p>Second prize in State Level Brain Pop @ Electrical Dept. N.K. Orchid Engg. College Solapur</p>	
3	<p style="text-align: center;">MR. MITTHA AKSHAY</p> <p>First prize in district level Aпти Quiz @DYF 2K23 GP, Solapur</p>	
4	<p style="text-align: center;">MR. BOLEGAON SHASHANK</p> <p>Runner up in State level Quiz competition @ Techno Sprint 2k23 & TC Dept. VVP Solapur</p> <p>Runner up in national level circuit making @ AGTech Fest 2k23 AGPIT, Solapur</p> <p>Third prize in state level circuit making @ EPhlox 2k23 AGPIT, Solapur</p>	
5	<p style="text-align: center;">MR. BANDI MANOJ</p> <p>First Prize in state level circuit making @ EPhlox 2k23 AGPIT, Solapur</p>	
6	<p style="text-align: center;">MR. JADHAV ANSH</p> <p>First Prize in state level circuit making @ EPhlox 2k23 AGPIT, Solapur</p> <p>First Prize in national level circuit making @ AGTech Fest 2k23 AGPIT, Solapur</p>	
7	<p style="text-align: center;">MR. GHODKE VIVEK</p> <p>First prize in District level Book review competition @ DYF 2k23 GP, Solapur</p>	
8	<p style="text-align: center;">MR. DEVANSHU SHEKHAR</p> <p>First prize in District level APTI Quiz competition @ DYF 2k23 GP, Solapur</p>	

ANNUM 2K22-23

Paper Presentation



Felicitation of judge Annum 2k22-23



Student presenting paper and award distribution by convener

EPHLOX



Working team of Ephlox



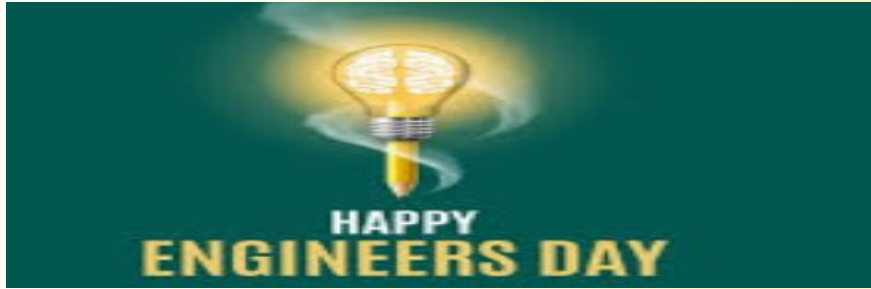
Participant with judge Prof. Mythri and decoration of EPHlox



Prize winners of EPhlox along with vice principal of Sangmeshwar college and Principal of AGPPI with convenor Prof. Pinjar Sir

Prize winner of EPhlox along with vice principal of Sangmeshwar college and Principal of AGPPI with convenor Prof. Pinjar Sir





To the engineer who turns ideas into reality, here's to your unwavering dedication.
Happy Engineer's Day!



Glimpse of Engineers' day celebration

EXPERTS LECTURE

Sr. No.	Activity	Action Taken	Resource person with Designation	Relevance to PO's	No. of Beneficiaries
1	Circuit Design & PCB Fabrication	Indus Robotics Pvt. Ltd.'Pune	Mr. Ajitesh	1,2,3,4,6,7	64
2	Renewable Energy Green Sector Department	Shams Energy	Mrs. Ayesha Shaikh	1,2,3,4,6,7	49
3	Industrial Skill Training	John Deer Pvt. Ltd	Ashutosh Mishra Service Engineer	1,2,3,4,6,7	28



Images: Expert Lectures in 22-23

INDUSTRY VISIT

Sr. No.	Activity	Action Taken	Place	Relevance to PO's	No. of Beneficiaries
1	Interaction with industrial process system	Srujan Food Pvt. Ltd., Solapur	Solapur (Industry visit)	1,2,3,4,6,7	66
2	Interaction with industrial process system	Kanswa Textile Exporters, MIDC Chincholi	Solapur (Industry visit)	1,2,3,4,6,7	66
3	Interaction with industrial process system	Sathe Engineering Company, Bale, Solapur	Solapur (Industry visit)	1,2,3,4,6,7	43



Moments of Industrial visit

SMART JACKET



Group Members

Mr. Yash Panhalkar

Mr. Prashant Bashedti,

Mr. Firoj Nadaf

Mr. MD Ashraf Khan

Under The Guidance Of Ms. Swami P. S.

A Peltier is a device that works on the thermoelectric cooling law in which Peltier's both sides have different effects one gets cool other one goes hot cause flow of electrons in Peltier. Peltier is made up of P and N junctions and according to the flow of electrons Peltier gets cool or hot. The effect is created with the help of Peltier, water block heat sink and Drone Motor and fans. we're making a smart cooling jacket which will have the solar panels and power bank for power supply. Also, there is a temperature circuit that'll show the inside temperature of jacket. we're working on a unique effect which is Thermoelectric and this is a sponsored project that we're making a prototype (A prototype is an initial creation of a product that shows the basics of what a product will look like, what the product will do, and how the product operates) and in future we'll do some up gradations on our project like increasing the Peltier used in the Jacket and also we'll take more power Peltier IC.

Working Principle:

Water block is connected to Peltier IC for water droplets generation 12v supply is applied to the Peltier using Lithium-ion battery and for the heat control of Peltier, heat sink is attached at the hot side of the Peltier IC when the supply is given to the Peltier. It gets hot and one side and cold and the opposite side for the cold side there is a water block and for the water supply of water block. Mini water pump transfers the water in the water bottle to the water block because of cool side of Peltier connected to water block generates water droplets. The mini water pump gets its supply that is 12v from Lithium-Ion battery. The Drone motor with CPU fan generates air which gets added with water droplets and the cool air gets generated. For the transfer of this air to all over the jacket there are spring pipes connected to Peltier circuit which transfer that cool air into all over the Smart jacket.

SENSITIVE METAL DETECTOR USING ARDUINO



Group Members:

Mr. Samarth Kamble

Mr. Akshay Mittha

Mr. Devanshu Shekhar

Mr. Shashank Bolegaon

Under the Guidance Of

Mr. Margur L. S.

A Metal Detector is an instrument that detects the presence of metal in the nearby area. The project has been made a very sensitive, but simple device, to build "Induction Balance" type of metal detector made up with the help of Arduino microcontroller and several other components.

The Induction Balance principle uses two coils arranged in such a way that there is virtually no inductive pick-up between them. A modulated signal is fed in to one of the coils. When metal is brought in the range, the electromagnetic field gets disturbed and the other coil picks-up an appreciably higher signal. The construction becomes simple due to the microcontroller.

Also, the module for weak signal amplification with LM358 IC.

Working Principle

The Induction Balance principle uses two coils arranged in such a way that there is virtually no inductive pick-up between them. A modulated signal is fed in to one. When metal is brought near, the electromagnetic field is disturbed and the other coil picks-up an appreciably higher signal. The ability to locate objects buried in the soil are, of course, dependent on soil conditions. Dry sand being the most favorable, and clay is the worst medium.

STUDENTS' PLACEMENT

Opportunity doesn't make appointments you have to be ready when it arrives

Sr. No.	Company name	Students
1	John Deer Pune Works India JABIL Industries, Pune	<ul style="list-style-type: none">• Mr Nadaf Firoz Daul
2	Himachal Futuristic Communications Ltd. Hyderabad	<ul style="list-style-type: none">• Shekhar Devanshu• Jatte Siddhant• Kamble Samarth
3	Varroc Engineering Pvt. Ltd	<ul style="list-style-type: none">• Bolegaon Shashank• Shekhar Devanshu
4	JABIL Industries, Pune	<ul style="list-style-type: none">• Mr Nadaf Firoz Daul



• Mr Nadaf Firoz



• Bolegaon Shashank



• Kamble Samarth



• Shekhar Devanshu



• Jatte Siddhant

TRADITIONAL DAY

Tradition can never go out of style



Images of Students and Faculty on Traditional day celebration

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

TEACHING STAFF



Mr. S. R. Bagban
Designation: HOD
Qualification: M. Tech
(VLSI)



Mr. Margur L. S.
Designation: Lecturer
Qualification: B.E. (Electronics)



Mr. Ligade S. S.
Designation: Lecturer
Qualification: M.Tech (ES)



Mrs. Kamble S. M.
Designation: Lecturer
Qualification: M.E. (E&TC)



Mrs. Dharmadhikari A. A.
Designation: Lecturer
Qualification: B.E. (E&TC)



Mr. Agarkhedkar M. M.
Designation: Lecturer
Qualification: M.Tech (ES)



Mr. Swami P. S.
Designation: Lecturer
Qualification: M.Tech (ES)



Mrs. Birajdar L. S.
Designation: Lecturer
Qualification: MA (English)



Mrs. Pawar S. R.
Designation: Lecturer
Qualification: BE (E&TC)



Mrs. Gavandi S. N.
Designation: Lecturer
Qualification: MSC (Chem)

NON TEACHING STAFF



Mr. Pathan H. A.
Designation: Lab Assistant
Qualification: Diploma
(Electronics)



Mr. Hadapad S. S.
Designation: Lab Assistant
Qualification: ITI (Electronics) &
Diploma (Computer &
Hardware Networking)



Shanti Educational Society's
A. G. PATIL POLYTECHNIC INSTITUTTE
ALL PROGRAMS ARE NBA ACCREDITED
18/2/2 A, Vijapur Road, Opp. SRP Camp, Solapur-8

Approved by : All India Council for Technical Education (AICTE),
New Delhi
Recognized by : Government of Maharashtra
Approved by : Directorate of Technical Education (DTE), Mumbai

COURSES OFFRED IN DIPLOMA ENGINEEIIING

Discipline	Intake Capacity	Duration of Course
Civil Engineering	60	3 YEARS
Computer Engineering	60	3 YEARS
Electronics and Telecom- munication Engineering	60	3 YEARS
Mechanical Engineering	60	3 YEARS
Electrical Engineering	60	3 YEARS
Total Intake	300	

