



Shri Siddheshwar Devasthan Trust's

# Shri Siddheshwar Women's Polytechnic, Solapur.

T.P. No.-II, Plot No. 74, Rupa Bhavani Mandir Road, Bhavani Peth, Solapur

## News Letter ...

VOL-III

**EDITION**

March 2022 - June 2022

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Shri. Dharmraj A. Kadadi

### “Minds are like parachutes – They only function when open”

Shri Siddheshwar Women's Polytechnic is one among the reputed technical institutes imparting the finest quality technical education not only in Solapur but also in Maharashtra. It has been a forerunner in recognizing the needs of the industry and integrating knowledge with professional inputs.

## President's Desk

The institute has a rich tradition of soaring high with academic excellence and overall personal growth of the students. SSWP is challenging and yet exhilarating place to learn. To refine the necessary attitude, aptitude and skills to achieve placements in corporate sector, the Institute is supportive to the students by arranging various extra-curricular activities. We endeavour to equip our students with both technical and other skills, so that they may contribute to the industry being excellent professionals. I am proud of the exceptional body of teaching staff, engaging the students in a wide range of exciting learning opportunities. I would warmly welcome you to come and visit the college. Let us together tab the depths of the ocean and explore the universe through the Wings of Knowledge and Power of Innovation. This empowerment will imbibe an attitude akin to a positive and proactive thinking.

I congratulate the editorial team of this newsletter for bringing out this edition successfully.

## Principal's Desk



Prof. G.R. Dharane

Empowerment through Technical Education. It may sound idealistic, but this is precisely our long term goal. It is what motivates the work of everyone at SSWP — from faculty and staff, to students and alumnae. It inspires our teaching and research. It is this goal which fuels the faculty to excel.

Our results and placement speaks about our excellence with many of our students bringing laurel to the college by getting highest ranking in the board exams and huge number of students are placed in national & multinational companies, moreover our students' creativity and determination is evident by this continuous success in various fields.

Our institute stands by its core values, mission of churning out well-rounded individuals and thorough professionals.

I congratulate committee of this News Letter who have played wonderful role in accomplishing the task in record time. I appreciate the efforts of staff members and students for bringing the newsletter successfully. Hopefully the forthcoming issues will bring more achievements.

## Expert Lectures

The most important benefits of expert lectures is the enhancement of the student's educational experience & upgrading their knowledge. Students attend these lectures for current trends and challenges of the industry.



Guest Lecture on “Geotechnical Engineering” by Dr. S.B. More, Associate Professor, N.K. Orchid College of Engineering & Technology, Solapur for students of Civil Engg. department on 12/04/2022



Expert Talk on "Python Programming for Beginners” by Ms. Sanmukh S. G. , Asst. Prof., CSE Dept. ,SSWCOE, Solapur for the third year students of Computer Engg. and Information Technology department on 21<sup>st</sup> March, 2022.



Guest lecture on “E- Vehicle” for the 3<sup>rd</sup> year students of Electrical Engg. dept. by Mr. Biradar V.S. (HoD, Electrical Dept.) NBNCOE, Solapur.



Expert lecture on “Cyber security & SIEM” by Mr.MaheshPavaskar, Principal, IT Security Architect SIEM, Verizon, Diegem, Brussels, Belgium for Third year students of Computer Engg. And Information Technology students on 11<sup>th</sup> April 2022.



Guest lecture on “Elements of Electrical Engg. (EEE)” for the 1<sup>st</sup> year students of E&TC dept. by Prof. S.B. Jamage (HoD, Electrical Dept.) SSWCOE, Solapur.

## Workshop



Two day’s Workshop on “Software Development Using Python “ conducted by Mr.Jadhav J.S., Founder of Code World Institute And Info Tech Pvt. Ltd., Solapur for the second year and the third year students of Information Technology Department on 7<sup>th</sup> & 8<sup>th</sup> April 2022.



Electrical Department arranged 2 days workshop on AutoCAD conducted by Ms. Vanjare S.A.on 12<sup>th</sup> April 2022 and 19<sup>th</sup> April 2022 for third year & second year students respectively.



Two days workshop on “Mock Interview” for 3rd year E&TC students by Ms. M. U. Pakale, Soft Skill Trainer, SSWCOE, Solapur



Workshop on STAAD PRO for CE dept. students by Prof Bhogade V.M. & Prof Birajdar S.M. A.G. Patil Institute of Technology Solapur on 21<sup>st</sup> April 2022.



Industrial tour arranged to Laxmi Pump, Kolhapur for 2nd Year and 3<sup>rd</sup> year of E&TC Dept.

## Industrial visits

An industrial visit gives students practical knowledge about what they are interested in, the students will get to know the working environment in the industries, their processing, how machines are working, interact with the workers, and many more.



Industrial visit to Consultancy Laboratory, Pune by the 3<sup>rd</sup> year students of Civil Engineering dept.



Industrial tour arranged to Biyani Technologies, Kolhapur on 11<sup>th</sup> March 2022 for 3<sup>rd</sup> year Computer Engg. and Information Technology students.



Industrial visit arranged to Regan Powertech, Wind Mill Section, Banali, Sangali for third year Electrical Engg. Dept. students.

## Technical Events

### • ELECTROTECH 2022

As a part of continuous and lifelong learning Shri Siddheshwar Women's Polytechnic, Solapur (1226), Electrical Engineering Department organized the "ELECTROTECH-2022" A-State Level Technical Paper Presentation Competition on 7th May 2022 for the final year diploma Electrical Engineering students. The event was sponsored by the MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION (MSBTE), Mumbai.



Felicitation of Hon'ble Mr. Niranjan Singhvi (President, LHP Solapur) by Principal Gajanan Dharane in presence of Prof. Biradar V.S. (HoD, Electrical Engg., N. B. Navale Sinhgad College of Engineering Solapur), Co-ordinator Ms. Patil P.B. (HoD, Electrical Engg., SSWP) and Co co-ordinator Mr. Gauda P.B.

### • TECHNOSIDDH 2022

Shri Siddheshwar Women's Polytechnic, Solapur organized TECHNOSIDDH-22 State Level Technical Paper Presentation competition in collaboration with ISTE, New Delhi on 18<sup>th</sup> May, 2022. This event was organized for the students of Civil Engineering, Computer Engineering, Information Technology and Electronics and Telecommunication department. More than 71 students participated from various college in and around Solapur District. Shri Shyam Yemul (Director Intellisoft Computer Consultants Pvt. Ltd., Solapur) invited as a chief guest for inauguration ceremony and Shri. Amol Katare (Director Katare Informatics, Solapur) invited as chief guest for prize distribution.



Felicitation of chief guests, students presenting technical papers and Prize Distribution

Students from various institutes were participated and appreciated the arrangement, refreshment and co-ordination done by faculties and volunteers. Total cash prize of Rs. 13500 were given to winners of the competitions.

## NSS activities

### • EK ROTI ANANNADAN

Shri Siddheshwar Women's Polytechnic, Solapur (1226), National Service Scheme (NSS) and Women Empowerment organized the "Ek Roti Annadan" from 16th March to 23<sup>rd</sup> March 2022 for this program all faculty, girl students and Jai Hind Food members were present. Donating to the needy is a great way to improve the conditions in your neighbourhood or community. Donating food to the worthy people or organizations helps counter poverty, hunger and at the same time, it can improve harmony, friendliness, and trust among residents. Around 1200 Roti's were donated from our institute.



All departments' students & faculty members donated 1200 Roti's to JAI HIND FOOD BANK. Appreciation Certificate from Jai Hind Food Bank to Shri Siddheshwar Women's Polytechnic, Solapur is given.

### • FIRE SAFETY

NSS organized the "Fire Safety" on 24<sup>th</sup> April 2022. All faculty, students and SMC Chief Fire Officer Shri Kedarnath Awate were present at this event.

Fire safety is the set of practices intended to reduce the destruction caused by fire. Faculty, staff and students who are not capable of complying with the evacuation procedures, or who may have special needs or recognized disabilities, should contact the Department of Environmental Health and Safety for development of an Individual Evacuation Plan. Copies of these plans are maintained with Pitt Police for use by emergency responders.



Demo of Fire Occur Situation by Shri Kedarnath Awate delivering to Student

### • CYBER CRIME AWARENESS

NSS organized the "Cyber Crime Awareness" on 30<sup>th</sup> April 2022 for this program all faculty, girl students and Cyber Crime Police Department were present. The guest lecture conducted by Ms. Pooja Kolekar Police Amaldar of Cyber Crime Department.



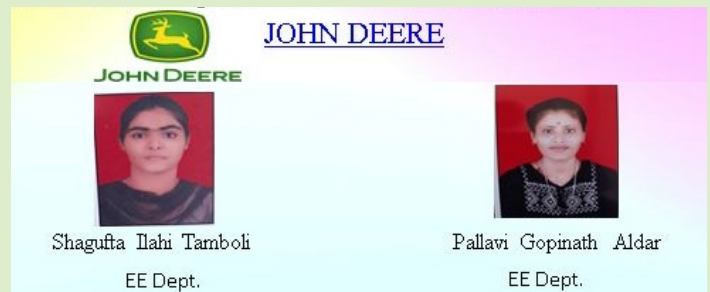
Awareness on Cyber Crimes by Ms. Pooja Kolekar

## Training & Placement Cell

The T&P cell holds the objective of acquainting the students of the Institute with Industries. The Placement cell organizes and extends services towards collaborative placement activities. The cell conducts training activities for the final year students mainly focusing on Career planning, Personality Development, Industry- Institute Interaction, off site training, Industrial visits Campus placements and Entrepreneurship Development.



Six students of E&TC department got selected in Spicer, Satara



Two students of Electrical Engg. got placed in John Deere Pvt. Ltd, Pune



Seven students of Electrical Engg. got placed in Sigma Engineering Solutions, Pune

## CULTURAL ACTIVITIES

Shri Siddheshwar Women's Polytechnic organized many cultural events. Social/cultural activities not only to help students to identify themselves with the university, but also assist students to develop themselves in a desired field and also improve skills such as organizational, presentation, leadership and interpersonal communication.

### • Women's Day

International Women's Day (IWD) celebrates the political, social, cultural and economic achievements of women around the globe. The day is celebrated on 8<sup>th</sup> March every year and aims to raise awareness about gender equality in all spheres of life.



Celebration of Women's Day in presence of Principal Gajanan Dharane, Head of Departments and all faculties

### • Dr. B.R. Ambedkar Jayanti

Dr. B. R. Ambedkar Jayanti is celebrated on 14<sup>th</sup> April every year in India to Commemorate the Birth Anniversary of Dr. B.R. Ambedkar. On this auspicious day we pay him respect & tribute for his precious contribution to the Indian Law & the Constitution



Celebration of Dr. B.R. Ambedkar Jayanti in presence of Adv. R.S. Patil Sir, Principal Gajanan Dharane, Head of Departments, faculties and students

### • Alumnae Meet 2022

Alumnae meet 2022 organized on 24<sup>th</sup> April 2022. During this meet, the alumnae shared their feelings and experiences of workplace as well as college.



Principal Gajanan Dharane, Head of Departments and faculties with all alumnae

### • Maharashtra Day

Maharashtra Day is celebrated on 1st May every year in Maharashtra. It was on this day in 1960 that the state came into existence after it was carved out of the Bombay state.



Celebration of Maharashtra Day in presence Adv. R.S. Patil Sir, Principal Gajanan Dharane, T.A. Chavan (Principal SSWCOE), Head of Departments and faculties

### • AGRANI - 2K22 The ANNUAL SOCIAL GATHERING & PRIZE DISTRIBUTION CEREMONY

Agrani -2K22 the annual social gathering & prize distribution ceremony was celebrated on 4<sup>th</sup> May 2022. Honorable shri Shivputra Mahaswamiji(Mathadish-President) was invited as chief guest, trustee members, governing body members, Principal, Gajanan Dharane, Head of department, faculty members and students were present.



Prize Distribution ceremony by auspicious hands of Hon'ble Shri Shivputra Mahaswamiji, Shri Nilkanth Konapure, Principal, Gajanan Dharane, all HOD's, faculties & students. Students performed Indian folk dance, patriotic songs and social theme drama.

### • Farewell of Final year students

A farewell function was organized for all third year students on 6<sup>th</sup> June 2022 to wish them good luck for their future.



Felicitation of Chief guest Mr. Thalange V.S. (HeadMaster, Shankarling Highschool, Valsang) Adv. R.S. Patil, Principal, Gajanan Dharane and Head of Departments

## ● Shiv Swarajya Din



Shivswarajya Din celebrated in presence of Chief guest Honorable Mr. Santosh Mangonde, Principal Gajanan Dharane, Head of Departments, all faculties and Students

## ● Yoga Day

International Yoga Day has been celebrated annually on 21<sup>st</sup> June since 2015. Yoga is a physical, mental and spiritual practice which originated in India.



Yoga Day celebrated in presence of Chief guest Mrs. Madhu Swami, Principal Gajanan Dharane, Head of Departments, faculties and students

## Technical Article



**Mr. Banegaon R.P.**  
(Lecturer, CO dept)

### Application of Interactive QR code Based Online Shopping System

**Introduction :** In the QR code based Interactive online shopping scheme the waiting moment of people is being transformed to shopping instant even travel

time. In this structure, the variety of QR codes will be generated for the everyday used household goods. These QR code are posted all along with its advertisement at diverse locations like Railway stations, Cinema Halls, Bus stops, & public places. That means structure is bringing shopping malls towards the people. Anybody who needs to buy the product subsequent to looking in the hoardings will straight away scan the Quick Response code by his/her smart phone, having QR camera. He/she will get all the information about that merchandise along with cost and thereafter end user should put the order for that along with number he wants. As this system takes online commands from customers, accommodating their payments, providing information about the order verification, and many more actions being mixed up as a functionality of our structure from placing of the order to the delivery of the order to the customer. People will feel contented with this system instead of visit a mall to shop by taking their time from their busy timetable. In addition, there will also be reduction in investments of the shopping mall.

**Methodology :** The main objective the project work is to provide the solution for problems faced by the customers while physical and online shopping. And this will be done by introducing Shop codes: QR codes such that it will be convenient for the customers to scan the QR code of products they want to purchase, at anytime and from anywhere. Customers will be able to scan the QR codes of products they want to purchase.

A electronic wall will be provided at various public places in which all the products will be displayed and QR code will be provided for scanning the products as well as for the order for the purchase. Once the products are ordered then the ordered products will be delivered to customer's doorstep

The system we have developed is using following sequence of order for work.

1. User Registration
2. Verifying user with ID and OTP
3. QR code Generator to generate codes for various products
4. Publishing QR codes to People
5. 2nd verification & Accepting orders online
6. Processing Payment
7. Forwarding order to the Packaging Department

## 8. Confirmation of Order delivery by Customer

### Registration mode:

In the registration mode, the customer will first register if he is new; the details of the customer will be sending to the cloud server after registration. The Admin panel will then do the authentication, and the customer data will be stored in database.

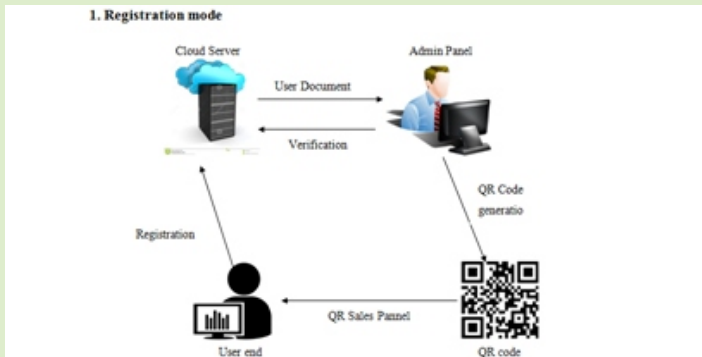


Fig. 1 Registration Mode

### Identification Mode:-

In the identification mode, when the customer will scan the QR code of the product, URL request will be sent to the server panel. Then the server panel will verify the password; after the authentication the data will be, send to the sales panel.



Fig.2 Identification mode

QR code is generated using the QR code generation algorithm and verifying it using Google API services

There are three panels in this process, they are;

- Shoppers panel
- Customers Panel
- Delivery Panel

### Shoppers Panel

In the shoppers panel, there is a product registration panel where registrations of the product is done. Code is generated using QR code generation algorithm. After the generation of the QR code details are displayed on the display panel

### Customers Panel

In the customer panel, customer registration is done with customer login and customer login authentication. Whenever

the customer will scan the QR code, product details will be displayed on his screen and he/she will place the final order. Once the scanned product are confirmed the details of the product are send to database for update the remaining quantity of product. If any modification required in list of products, the customer can modify. Customer has the choice to select the colour and the quantity of the product. Bill is previewed on the user screen, then customer will add it to cart. Customer will fill his information needed.

### Delivery Panel

After placing the final order, order delivery process begins in the delivery panel. If the customer is already registered then his data will be updated in the database, if he is a new registration then his data will be added in database.

### Conclusion:

The research work carried out here is a real time capturing system for consumer supplies using Quick Response code (QR Code) in an android Smartphone. In addition, for checking the product after the payment is done automatically with the help of Interactive system. The system will be instrumental for the costumers since it helps in saving their valuable time as well as it reduces stress of shopping of daily usage items for household.

## Staff Achievements

1. Mr. Malewadi S.A. presented paper titled Enhancing and Developing Fundamental Skills of English Language at PERI College of Arts & Science, Chennai.

2. Ms. Harsure M.S. attended AICTE sponsored STTP on Fire Resistant Design of Structures conducted by IIT Madras

3. Ms. Zipare M.M. and Ms. Rampure A.S. attended three days training on Mobile Application Development at SES Polytechnic Solapur on 18th March to 20<sup>th</sup> March 2022.

4. Ms. Zipare M.M. and Ms. Rampure A.S. attended two days training on Cyber Security in BMP Solapur during 24<sup>th</sup> March to 25<sup>th</sup> March 2022.

5. Ms. Langote G.B. has Completed One Day Workshop on NBA Orientation conducted in A.G. Patil Polytechnic, Solapur on Saturday, 12<sup>th</sup> March 2022 .

6. Ms. Patil P.B., Ms. Gauda P.B. and Ms. Ankalgikar S.P have completed Online Faculty Development Program (FDP) On Green Energy Sources held during 10<sup>th</sup> march 2022 to 11<sup>th</sup> March organized by Brahmdevdada Mane Polytechnic, Belati, Solapur, Maharastra.

7. Mr. Vyas S. N., Ms. Deshmukh S. S., Ms. Wale P. S., MS. Mashalkar S. D and Ms. Katare P.V attended 2 days FDP on cyber security and Program on internet of Things –IOT by BMP, Solapur.

8. MS. Thokade A. R. attended 2 days FDP on Data Analytics by Yashvantrao Chavan Poytechnic, Ichalkaranji, cyber security and Program on internet of Things –IOT by BMP, Solapur

9. Mr. Menase P. P. (Lecturer, E&TC) completed 12week NPTEL Online Certification course (Jan- April 2022) on “Electronics Circuits”.

10. Ms. Katare P.V. attended six days Faculty Development Program on "Mobile Application Development" held during 4<sup>th</sup> April to 9<sup>th</sup> April 2022 organized by Department of Computer Engineering, Thakur Polytechnic, Mumbai & Supported by MSBTE .

11. Ms. Alange N.S. attended AICTE-ISTE approved Orientation/Refresher Programme on “OBE and NBA Process in Technical Education” held during 14<sup>th</sup> Feb to 19<sup>th</sup> Feb 2022 Organized by Government Polytechnic, Awasari, Dist. Pune, Maharashtra

12. Mr. Hiremath S.S has got certificate on Publishing A Research Paper Entitled” IOT based Auto Temperature Detection and Social Distancing Monitoring” in IJARSCT, Volume 2, Issue 2, February 2022

13. Ms. Chavhan K.V. has got certificate on successfully completing Faculty Development Program (FDP) On “CYBER SECURITY” held during 24.03.2022 and 25.03.2022 Organized by Brahmdevdada Mane Polytechnic, Belati, Solapur, Maharashtra.

14. Mrs. Utage P.S. and Mr. Mahamuni S.H. attended: one day National level workshop on”Impact of NBA process in Quality & Capacity Building of Polytechnics” on Saturday, 26<sup>th</sup> March 2022 at Kolhapur Institute of Technology’s College of Engineering (Autonomous), Kolhapur.

## Student Achievements

1. Mariya Choudhari(CE6I) got 1<sup>st</sup> prize in Paper presentation at TechnoSiddh 2022
2. Shruti Waghmare (CO4I) got Gold Medal in Taekwondo competition at district level championship held in Sangola.
3. Vaishnavi Kulkarni(EE6I) & Parimala Mittha (EE6I) have got first prize in Paper Presentation at “WISO-TECH 2K22”
4. Sankruti Ingale(EJ2I) and Soundarya Kumbharikar(EJ4I) stood 1st in Treasure hunt organized by NKOCET, Solapur
5. Rhutika Tamnur (EJ6I) and Siya Mohoddin Shaikh(EJ6I) stood 1st in Circuit Built Up organized by NKOCET Solapur
6. Ms. Sneha Pandit(IF6I), Ms. Sushma Modi (IF6I), Ms. Sakshi Nalwar (IF6I) and Ms. Riddhi Khatal (IF6I) won second prize with cash prize rs. 3000/- in E<sup>2</sup>LOGIC Project Competition Organized by SVERI’s College of engineering, Pandharpur

## VISION, MISSION & GOAL OF THE INSTITUTE

### • Vision

- To rear universally competent women engineers who serve as harbinger to cause speedy development of humanity in general and welfare of our nation in particular.

### • Mission

- To promote a safe, creative, dynamic community that nurtures and educates Women, imparting state-of-the-art technical education with the skills necessary to succeed in a fast changing society in the 21<sup>st</sup> century

### • Goal

- “To impart quality education in the sphere of diploma engineering.”
- “To induce analytical, creative, critical and independent thinking.”
- “To create world class women engineering”

## Editor's Desk



**Ms. Zipare M.M.**

Lecturer in Computer Engineering Dept.

We are happy to present Newsletter Edition (March 2022 –June 2022) Vol- III of Shri Siddheshwar Women's Polytechnic, Solapur. This edition includes the various Technical, Cultural events organized for students of college, TPO & NSS activities, Student & Staff achievements & technical article by faculty.