



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 ...

EDITION
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VOL-II

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President's Desk

"Education is the passport to the future, for tomorrow belongs to those who prepare for it today."

It is a matter of great pride and satisfaction for Shri Siddheshwar Women's Polytechnic, Solapur to bring out the News Letter. The institute has made tremendous progress in all areas academic, non-academics, capacity building relevant to staff and students. It showcases the hidden talents of the students and staff. It encloses the activities such as FDP, conferences attended, competitions won by the students and innovative projects carried out by them.



Shri. Dharmraj A. Kadadi

I congratulate and appreciate the efforts of Editorial Team for bringing the newsletter successfully. I, take this opportunity to thank all the stakeholders for showing interest and continuous support. I extend my best wishes to all students in their chosen career path and I am sure that the institute will scale upto greater heights in the years to come and serve many more in the society.

Principal's Desk

"A desire can change nothing, a decision can change something but a determination can change everything".

It is a great pleasure and privilege in welcoming you to Shri Siddheshwar Women's Polytechnic, Solapur. We are working with a vision of India 2020, to bring progressive changes in Engineering and Technology which will bring progress and prosperity to our country. The way we teach and the way our students learn are unique and creative. We accord prime importance to the behavioural discipline, moral integrity and cognitive developments of our students along with Technical Education.



Prof. G.R. Dharane

I am confident that this issue of News Letter will send a positive signal to the staff, students and the person who are interested in the Technical education and Technology based activities. Students have exhibited a great zeal and enthusiasm and have contributed significantly to the inter and intra college activities like Seminars, Workshops, Conferences, Placement programs, Technical and Cultural events etc. I congratulate all the students who participated in co-curricular and extra-curricular activities along with regular involvement in academics successfully.

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. Students attend these lectures for current trends and challenges of the industry.



Expert lecture on "Highway Engineering" by Mr. Ashok Kumar, Asst. Prof. WIT Solapur for Students 2nd Year Civil Dept.



Expert Lecture on "Advanced Java RMI" by Ms. Savita S. Gungewale, Assistant Professor and in charge HOD, CSE Dept., SSWCOE, Solapur, for students of 3rd year students of CO and IF Dept.



Expert Lecture on "Machine Learning" by Mrs. Ashvini A. Kulkarni, Assistant Professor and in charge HOD, IT Dept, SSWCOE, Solapur, for 3rd year students of CO and IF Dept.



Expert lecture on Soft Skill Development by Mrs. Rashmi Kulkarni for 3rd year students of all dept.

Workshop

Workshop are arranged encourage passionate dialogue and active engagement, enhancing students skill & knowledge. It is a great way to teach hands-on skills as it gives students an opportunity to try new methods for implementing the same different workshops are arranged for students of all department.



One day workshop on "Electric bicycle" by Pylon Technosoft, Pune for 3rd year students of EE dept.



Two days workshop on "Interview Techniques" Prof. Rahul Digge (Assistant Professor, TPO, SSWCOE) & Ms. Mayuri Parkale (Soft skill Trainer, SSWCOE) for 2nd & 3rd year students of E&TC Dept.

Industrial Visits

Industrial visits it lets student to know things practically through interaction, working methods and employment practices. Moreover, it gives exposure from academic point of view.



Civil Engineering department arranged the visit to "Solar Panel Plant" at SSWP, Solapur; for 1st year students



Electrical Engineering department arranged the visit to “Ujani Hydro power Plant” for 3rd year students



Electrical Engineering department arranged the visit to “Bhavani Peth Water Works”, Solapur for 1st year students

■ NSS Activities

◆ NUTRITION ISSUE

Nutrition is a critical part of health & development. A balanced diet can help students increase energy levels, promote immune system, improve their ability to cope with others, old increase concentration and performance in school. So, guest lecture was arranged on nutrition planning for students.



Guest Lecture on “Nutrition Issue ” conducted by Dr. Sonali Ghongade for all students and women faculties on 17th Nov. 2021

◆ BLOOD DONATION & HB TEST CAMP

The purpose to Organize a Blood Donation Camp is to motivate Staff & Students to donate blood & Social work.



SSWP organized HB Test and Blood Donation in collaboration with Dr.Hedgewar Blood Bankand Bharat Vikas Parishad, Solapur. Total 20 Blood Donors and 212 students had HB Test.

◆ AWARENESS OF VOTING



NSS and Women Empowerment had organized the “Awareness of Voting” on 29th December 2021.

◆ MISSION YUVA SWASTH

Shri Siddheshwar Women’s Polytechnic organized a special drive to fully vaccinate students in order to help team to attend physical at college.



Organized Covaxin Vaccination drive under “Mission Yuva Swasth” for faculty, students and parents

◆ MENSTRUAL CYCLE & DISEASES

To increase awareness & to understand the importance of menstrual hygiene the expert lecture was arranged by Dr. Shoba Shah.



Guest Lecture on “Menstrual cycle & Diseases” conducted by Mrs. Dr. Shobha Shah for all students and staff.

EDP Activities

Think Trans Foundation, Pune organized 2 days workshop on “Skill Enhancement Program” to rejuvenating the entrepreneurial, self-employment-based ecosystem on 28th and 29th December 2021 for all 3rd year students.



Dignitaries on dice Shri Amit Kamatkar(Director, ThinkTrans Foundation), Mr. Akshat Joshi, Ms. Prajkata Medhekar, Mr. Sunil Kamatkar and Principal Sir

CULTURAL/SPORTS ACTIVITIES

Shri Siddheshwar Women’s Polytechnic has organized many cultural events. Social/cultural activities not only 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.

Constitution Day

The objective of celebrating Constitution Day on 26th November, 2021 is to spread the untiring efforts of the constitution-makers with special focus on efforts of Bharat Ratna B. R. Ambedkar.



Celebration of Constitution Day in presence of Principal Gajanan Dharane, Head of Departments and all faculties

SIDDHOTSAV 2021-22 (Cultural, Technical & Sports fest)

SIDDHOTSAV 2021-22 is celebrated as Intercollege Cultural, Technical and Sports Competition in which almost all the students used to participate very energetically and with many innovative ideas. This year Siddhotsav- 2022 was celebrated from 11th February to 18th February 2022. Total 15 Cultural, 8 sports and 2 technical events were organized.



Inauguration of Siddhotsav in presence of Mrs. Sunita Shendage (Principal Woronoko H.S., Solapur). Mr. Motibane H.T. (Vice Principal Haribhai Devakaran School) and Mr. Changale Yogiraj (Siddheshwar Prashala, Sugar Factory), CEO C.B. Nadgouda, Principal Gajanan Dharane, Head of Departments and all faculties.

CULTURAL EVENTS

Cultural competitions like Rangoli, Mehandi, Art Gallery (Painting, Skeeth, drawing and collection of coin), Makeup, Hair Style, Card making, Song, Poem, Charoli, Tadoo making, Nail Art, Face Painting, Cook without Fire(Healthy Deit), Best from Waste, Event Video, Fashion Show of Bollywood Theme, Traditional Day and Fun fair were organized. For every event senior judges were invited, Mrs Sontakke K.A. , Mrs. Khot M.R.(Shravika High school), Mr. Basavraj Sharnathi (Shri D.J. Prashala), Mr. Satish Kshirsagar (S.K. Birajdar Prashala) Mrs. Sonal Jadhav (S.V.C.S. Jr. College), Mrs. Vidyashree Jangond (S.V.C.S School)



Judges appreciating the students participating in Rangoli Competition



All department students presented different cultures of India.



Mr. Motibane Sir, Mrs. Sunita Shendage, Mr. Changale Yogiraj (Chief Guest).

SPORTS EVENTS

Sports events like Tug of War, Kabaddi, Badminton, Chess, Carrom, Athletics, Table Tennis and Cricket were organized.



Inauguration of sports events by auspicious hands of chief guest.



Students playing kabaddi.

TECHNICAL EVENTS

Technical Events like Poster Presentation (Topic Name : Role of Technology in pandemic situation, Digital India, Women's Empowerment), Paper Presentation (Any technical topic)



Judges judging technical events technical

Financial Guidance

The expert talk was arranged for women in society on financial guidance.



Expert talk on "Financial Guidance" by Dr. Rajshekhar Yelikar for women faculties and parents.

73rd Republic DAY

73rd Republic Day- Every 26th Jan is celebrated as 73rd Republic Day was celebrated in Shri Siddheshwar Women's Polytechnic by following the Covid-19 safety rules.



Flag unfurled by final year toppers Bhagyashri Netalkar (EJ6I-97.80%), Sampada Tikle (CO6I-96.40%), Kashish Pawar (IF6I-96.50%) in presence of Adv. Shri. R. S. Patil Sir, CEO Mr. C. B. Nadgouda Sir, Principal Gajanan Dharane Sir, Principal of SSWCOE Dr. Chavan T. A Sir and all faculties of diploma and degree.

◆ Fresher Fest2k21

Fresher's fest marked as the day when the college extends as warm welcome to the new batch of students. It marks the beginning of new journey in students life.



Fresher's Fest 2k21 is conducted in presence Principal Gajanan Dharane, Head of Departments and all faculties and students.

◆ Siddheshwar Kathi Poojan

SiddheshwarKathiPoojan at Shri Siddheshwar Women's Polytechnic, Solapur



Siddheshwar Kathi Poojan at Shri Siddheshwar Women's Polytechnic, Solapur

◆ Health Fitness

Regular exercise and physical activity promotes strong muscles and bone. It improve respiratory, cardiovascular health and overall health. Staying active can also help to maintain a healthy weight & reduce risk of diseases. To make awareness among women health fitness camp was organized.



Expert lecture on "Health Fitness" by Fitness Trainer Mr. Sanjiv Mhamane conducted under Women Empowerment.

◆ Shri Chatrapati Shivaji Maharaj Jayanti

The birth anniversary of Maratha King, Shivaji Maharaj, is celebrated as Chhatrapati Shivaji Maharaj Jayanti. Every year on February 19, shivaji Jayanti is commemorated to pay tribute to bounder of Maratha Empire.



Shivjayanti is celebrated in presence of Principal Gajanan Dharane, Head of Departments and faculties

◆ Technical Article

Design of Railway Track Using Autodesk Civil 3D And Infracore

Ms. Ghodake S.U.
(Lecturer, CE dept)

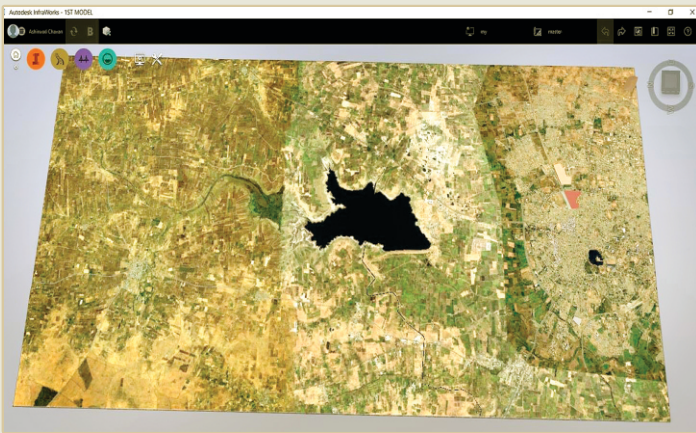
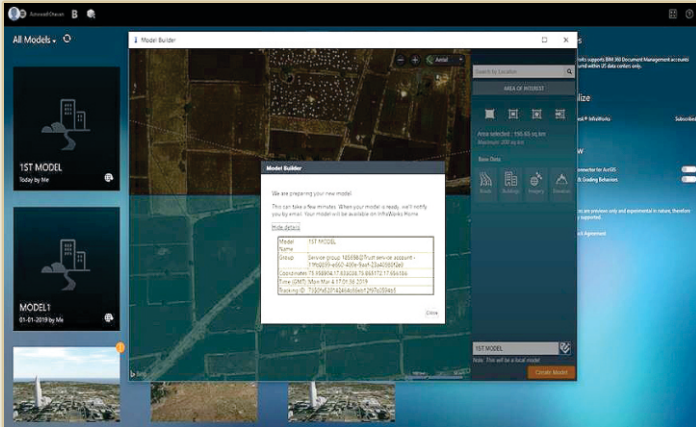
Mission

Develop new smart tracks that will help to optimize railway maintenance operations ensuring higher railway availability and improved efficiency. The goal of the project is to develop a Smart Framework of tracks to facilitate effective and efficient decision in maintenance of railway networks and it will act as an essential component for maintaining new railway networks.

Introduction

Civil engineering deals with the design, construction and maintenance of physical and naturally built environment, including works like bridges, roads, canals, dams and buildings. It is the oldest and broadest engineering profession. All the engineering specialties have been derived from civil engineering. It is divided into various sub disciplines including environmental engineering, geotechnical engineering, structural engineering, transportation engineering, material engineering, surveying and construction engineering. Transportation engineering is a important branch in civil engineering and in that railway is again more important as it is economical mode of transportation .After the independence India become under developed country by its mode of transportation .Railway tracks are spread throughout the India but mainly due to the increased

population it became important mode of transportation. Indian Railways is an Indian state-owned enterprise, owned and operated by the Government of India through the Ministry of Railways. The SOLAPUR OSMANABAD railway line proposal is one of the largest railway networks comprising 80km railway track.



Model creation in Autodesk InRoads

◆ Objectives of Study

1. To provide the requirements for an efficient, reliable and sustainable railway systems.
2. To provide the transferability of concepts, ideas and solutions from other sectors to be applied to this railway domain.
3. To design a new conceptual framework based on fuzzy systems that consider every functional and technological component to ensure the integration and linkage to existing platforms .
4. To validate the design of the framework through an implementation , total or partial, with available software.
5. Characterization of the routes and their impact from different points of view: economic, human and technical resources, serviceability, safety, environmental impact, etc.
6. Development of models (using software) with behavior and evolution of individual components and the whole infrastructure.

7. The suburban railway was proposed to let people live in suburban towns and commute easily making less pressure on urban infrastructure.
8. To increase overall transport capacity by the benefits of planning and real-time operations.

◆ Utility

This route was need of people from that area from last 60 years.

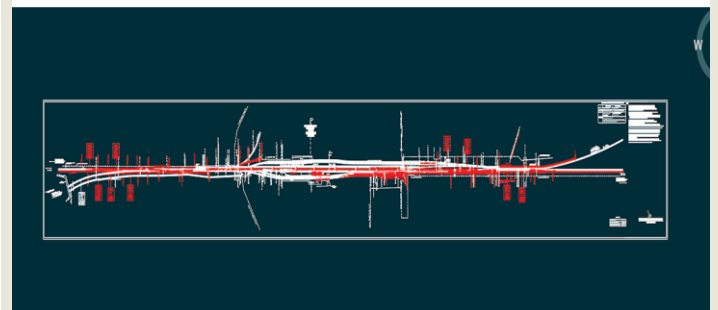
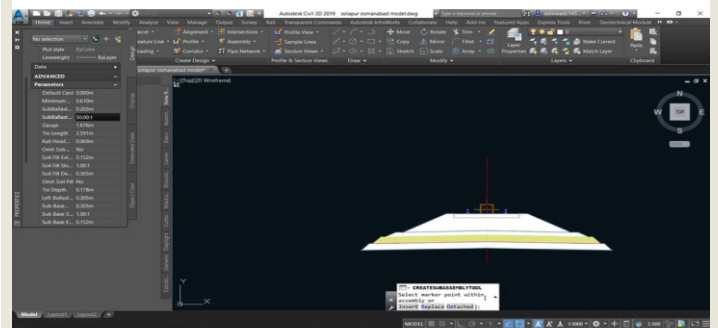
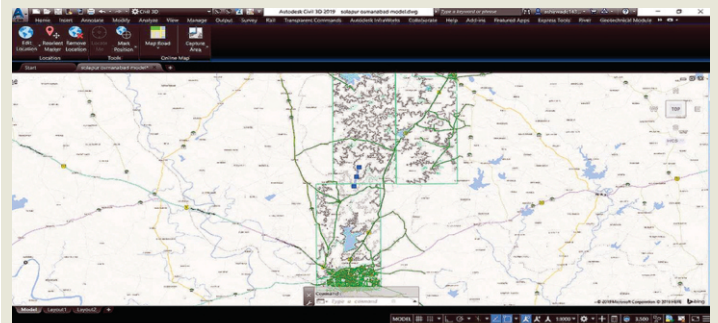
1. Due this track the whole Marathwada region is getting connected .
2. It will be more beneficial for Marathwada region.
3. Time consumption is less.
4. Faster, smooth, safe access to Marathwada region will help for development of that region.
5. New route will increase overall employability.

◆ Methodology

Proposal of detailed route by using survey instruments and software.

Use of instruments : Total Station, Auto Level

Use of software : Autodesk Civil 3D and Autodesk InRoads



Software images while Designing the Track

◆ Software's

Autodesk Civil 3D

Autodesk Civil 3D is the most powerful civil engineering and survey software. Civil 3D has the ability to quickly calculate the quantities of materials to be estimated such as concrete, bricks, cement, etc. With the help of Civil 3D, project visualization, analysis and designing becomes quite easy.



Civil 3D is a vertical solution of Civil 3D software is a Building Information Modeling (BIM) solution for civil engineering design and documentation. Civil 3D is a software for civil engineers, drafters, designers working on transportation, land development, and water projects.

Department Achievements

1. Computer Engineering Dept. has received grant of 15,63,948/- for Hardware lab under the scheme MODROB from AICTE, New Delhi.
2. Information Technology Dept. has received grant of 7,91,894 / for Network / Internet lab under the scheme MODROB from AICTE, New Delhi.

Staff Achievements

1. Mr. Mane N.K. has taken admission to Ph.d in CSE.
2. Ms. Patil P.B. completed ME in Power System from Savitribai Phule University Pune in November 2021.
3. Ms. Patil P.B. attended 3 days FDP on Electric Vehicle organized by RIT Rajaramnagar.
4. Ms. Mashalkar S. D. completed 1 week AICTE-ISTE sponsored Online Induction/ Refresher programme on "Data Science & It's

Application" organized by Abha-Patil College of Engineering.

5. Ms. Alange N. S. HOD, IT Dept. attended one week FDP on "Recent Trends in Optimization Techniques" organized by Dr. A. D. Shinde Institute of Technology, Kolhapur.
6. Mr. Hiremath S. S. developed platform to provide learning resources for students of IT department using Blogspot
7. Ms. Chavhan K. V. presented paper titled "Anonymization Techniques for privacy preservation in social network" in the AICTE sponsored 5th International Conference on Electrical, Electronic communication, Computer Technology and Optimization Techniques organized GSSS Institute of Engineering and Technology for women, Mysuru

Student Achievements

Ms. Niharika Sakhare(CO6I) has won Gold medal in Shot put , bronze medal in 100m running and Silver medal in 200 M running in 8th Sports and cultural events organized by State level Students Olympic association. Solapur .

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 21st 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

Editor's Desk



Ms. Zipare M.M.

Lecturer in Computer Engineering Department

We are happy to present Newsletter Edition (November 2021-February 2022) Vol - II of Shri Siddheshwar Women's Polytechnic, Solapur. This edition includes the various Cultural, Technical & Sports events organized for students of college, EDP & NSS activities, Student & Staff achievement & technical article by faculty.