Shri Siddheshwar Devasthan Trusts'

Shri Siddheshwar Women's Polytechnic, Solapur.

NEWS LETTER ...

Edition (July 2021- October 2021) Vol- I

◆ **INSIDE.......**

President's Desk

Shri Dharmraj A. Kadadi

Welcome to Edition (July 2021 - October 2021) Vol. - I News Letter of Shri Siddheshwar Women's Polytechnic, Solapur. You have just embarked on a journey of discovery and revelation, a journey that is as much about you as it is about the larger world that you inhabit. Here, you embraced by its natural beauty, nurtured by its ideals of women's emancipation and empowerment, you will find the space where you can explore, express and realize yourself.

The world is incomplete without the technological innovations. Hence, as we know engineers are the builders of the world. Engaging women in developing the Nation and the World is our goal. The institute takes great pride, that it has been contributing benchmark women professionals to the society with impeccable skills along with absolute human values.

I Congratulate the Editorial Board of this News Letter and urge all the students to utilize the time they have to build and develop themselves with resources available around; knowledge is the only tool they have to build the world to be a better place.

Principal's Desk

Prof. Gajanan R. Dharane

While congratulating all the successful students of SSWP let me extend a warm welcome to the entire Fresher's of SSWP. The institute is established essentially to impart higher Technical education among the women students of Solapur and Maharashtra state. Every year the institute campus is flooded with promising students from different quarters in search of quality education and opportunities for enhancing their skills and other building based courses.
Because of the overwhelming response from the students, we regret some of the students who have not got admission and I welcome all the students of first year.

We are well known for quality education and skills advancement program with highly qualified faculties. The institute has well planned academic schedule, curricular delivery and monitoring. This is reflected in examination results and placements. We also focus on extra-curricular activities. Our prime focus is to develop each student's individuality on entrepreneurial spirit in order to discover their potential.

I congratulate the Editorial Board of this News Letter who have played wonderful role in accomplishing the task in record time. Also I congratulate, faculties and students for their fruitful efforts.

CULTURAL 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.

● FOUNDATION DAY

Every year on 9th July Shri. Siddheshwar Women's Polytechnic celebrate Foundation Day. This year also 13th Foundation Day was celebrated in college in blended mode. HOD of all department reviewed the activities conducted for last academic year and future plans for next academic year.

Flag Hoisting was done with auspicious hands of Governing body member Mr. Kashinath Dhole Sir, Adv. Shri. R.S Patil Sir, Principal Mr. Gajanna R. Dharane & Principal of SSWCOE Dr. Chavan T.A.

● SADBHAVANA DIWAS

"Sadhbhavana Diwas" is observed nationwide on 20th August every year. The theme of Sadbhavana is to promote National Integration and Communal Harmony among people of all religions,languages and regions. The idea behind observance of 'Sadbhavana Diwas' is to eschew violence and to promote goodwill among the people.

This year in Shri Siddheshwar Women's Polytechnic, Solapur the Sadbhavana Pledge taking ceremony observed on 20th August, 2021. For the pledge taking ceremony college principle Prof. Gajanan Dharane Sir and all faculty members were present.

● INDEPENDENCE DAY

Every year Shri. Siddheshwar Women's Polytechnic celebrate Independence Day. This year also 75th Independence Day was celebrated on 15th August 2021 in college. Patriotic speech, songs and dance were presented by students on this occasion.

TEACHER'S DAY

In India, 5th Sepetember is celebrated as Teacher's Day to honor teachers for their contributions in shaping the life of students and birth anniversary of former President Dr. Sarvepalli Radhakrishnan. On this day program was organized at institute level.

Celebration of Teacher's day by
Principal Gajanan R. Dharane and all faculty members.

ENGINEER'S DAY

Engineer's Day is celebrated in India on 15th September every year to mark the tribute to the Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya. In college, every department had organized technical events like Paper presentation, Poster presentation, C quiz competition, Micro project exhibition, Debate and essay writing on technical topics. For the function Hon'ble Shri Dharmraj A. Kadadi(Chairman) was invited as chief guest.

Dignitaries on dice Hon'ble
Shri Dharmraj A. Kadadi(Chairman) ,
Governing body member Adv. Shri. R.S. Patil Sir,
Prof. Aland S.S. Sir, CEO Mr. C.B. Nadagouda Sir,
Principal Mr. Gajanan R. Dharane Sir & Principal of
SSWCOE Dr. Chavan T.A Sir

GANDHI JAYANTI

Gandhi Jayanti is an event celebrated in India to mark the birthday of the "Father of the Nation" Mahatma Gandhi. Gandhi Jayanti, as the occasion is known, coincides this year with the Azadi Ka Amrit Mahotsav, which was inaugurated on March 12 by Prime Minister Narendra Modi, on the 91st anniversary of a significant event in Gandhi's life, the Dandi March.

Celebration of Gandhi Jayanti in presence of
Principal Gajanan R. Dharane and all HoD's.

DANDIYA FEST

In Navratri festival, people worship the nine different forms of goddess Durga who symbolizes purity, power and divinity. Our college celebrate 9 days by wearing nine colors and have organized Dandiya Fest-2021 followed by Khandenavmi Pooja on 9th day of Navratri.

Dandiya Fest-2021 inauguration by auspicious hands of
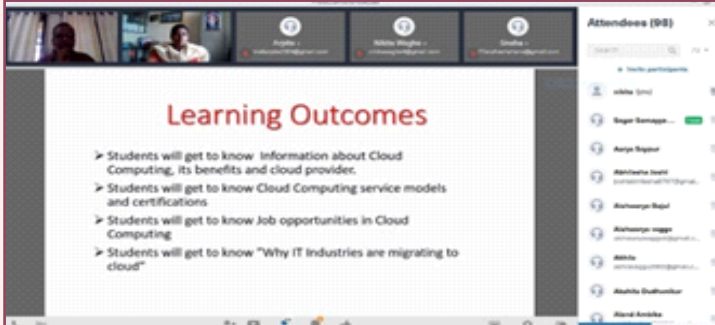Principal Gajanan R. Dharane and all faculties

FIRST YEAR PARENTS MEETING

First year parents meeting conducted under guidance of
Principal Gajanan R. Dharane , all HOD's and first year faculties.

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 "Why Industries migrating to cloud" on 12th Oct 2021 by Alumina Ms. Shraddha Jeure, Quality Assurance Engineer, ODC Universal Technology Solutions, Pvt. Ltd. Pune for Third year students of CO & IT dept.

Expert lecture on "Start-up opportunities in Academic Projects" on 20th Oct 2021 by Mr. Kalpak Shahane, Director, GoWin Enterprise & Vaishvik Innovative Solutions LLP, Solapur for Third year students of CO & IT dept.

Expert lecture on "Concrete Technology" by Prof. Konapure C.G (Assistant Professor, WIT) importance Surveying instruments for Civil dept.

Prof. S. A. Kashid, HOD, Assistant Professor E&TC Dept., Shree Siddheshwar Women's College of Engineering, Solapur conducted Expert Lecture on Subject- "Control Systems" for Third year students of E&TC Dept.

Expert lecture on "Hybrid Switchgear" by Mr. Ket Ameya S. Deputy Executive Engineer MSETCL, Solapur for third year and second year students of Electrical Engg. Dept..

INDUSTRIAL VISITS

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

Industrial visit of CO & IT dept. students to Dainik Sanchar

Civil department industrial visit to Ujani Dam , Maharashtra for Second and third year students of Civil Engg. Dept.

Industrial Visit to "95 FM" of Second & Third year students of E&TC Dept

Industrial visit to 33/11 KV Bhawani Peth Water Work Substation, Solapur of Electrical Eng..students

NSS ACTIVITIES

INTERNATIONAL YOGA DAY

Celebration of Yoga Day on 21st June 2021 at Shri Siddheshwar Women's Polytechnic, Solapur

GRAIN DONATION TO JAI HIND FOOD BANK

On 4th August 2021 Students and faculties of Shri Siddheshwar Women's Polytechnic, Solapur donated 550kg of grains under the program "Ek Muthi Aandaan" to "Jai Hind Food Bank" for social cause.

COVID-19 VACCINATION

Shri Siddeshwar Women's Polytechnic, Solapur had organized COVID-19 Vaccination Camp on 29th October 2021 in collaboration with Directorate of Technical Education, Maharashtra. Total 70 vaccination were given including 40 girl students and 30 parents.

TPO ACTIVITIES

SHRI SIDDHESHWAR DEVASTHAN TRUST'S
Shri Siddheshwar Women's Polytechnic, Solapur.
TRAINING & PLACEMENT CELL
Hearty Congratulations
To student For being Placed in

Infosys

Package 2.6 LPA

Ms. Rachana Mangalaram
Computer Engineering Department

EXPERT LECTURES

Twenty students (14 students from E&TC Dept and 6 students from EE Dept) of Shri Siddheshwar Women's Polytechnic, Solapur got placed in Spicer Pvt. Ltd. . Dharwad.

Two students Ms. Shivani Aousekar and Ms. Nikita Rapelli from Electrical department of Shri Siddheshwar Women's Polytechnic, Solapur got placed in Philips.

Seven students (5 students from Electrical Dept and 2 students from E & TC dept) of Shri Siddheshwar Women's Polytechnic, Solapur got placed in TATA Electronics, Hosur, Karnataka.
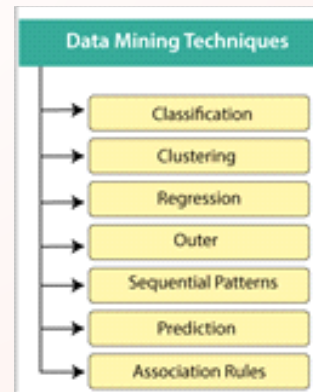

Pool campus organized by Shri Siddheshwar Women's Polytechnic, Solapur for Electronics & Telecommunication and Electrical Engg. program. The companies were TE Connectivity Ltd Pune, Faurecia Emission Control Technology India Pvt Ltd., Cosma International, Pune in association with BSA Corporation Ltd., pune.

TECHNICAL ARTICLE

Data Mining Techniques: Knowledge Discovery

Mrs. Katare P. V.
(Lecturer , IT dept)

1. Classification:

Classification of data mining frameworks as per the kind of This technique is used to obtain important and relevant information about data and metadata. This data mining technique helps to classify data in different classes. Data mining techniques can be classified by different criteria, as follows:

Classification of Data mining frameworks as per the type of data sources mined:

The classification can also take into account, the level of user interaction involved in the data mining procedure, such as query-driven systems, autonomous systems, or interactive exploratory systems.
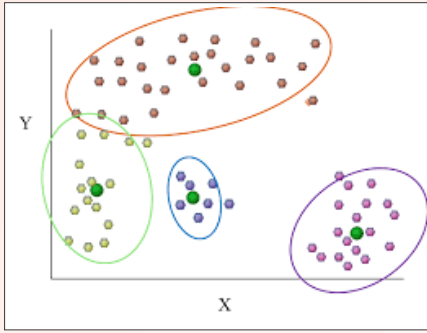
2. Clustering:

Fig : Clustering Datasets in different classes.

Clustering is a division of information into groups of connected objects. Describing the data by a few clusters mainly loses certain confine details, but accomplishes improvement. It models data by its clusters. Data modeling puts clustering from a historical point of view rooted in statistics, mathematics, and numerical analysis. In other words, we can say that Clustering analysis is a data mining technique to identify similar data. This technique helps to recognize the differences and similarities between the data. Clustering is very similar to the classification, but it involves grouping chunks of data together based on their similarities.
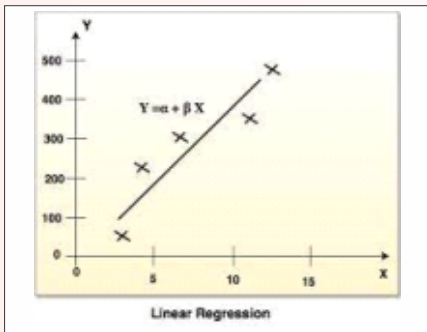
3. Regression:

Fig :Regression Analysis

Regression analysis is the data mining process is used to identify and analyze the relationship between variables because of the presence of the other factor. It is used to define the probability of the specific variable. Regression, primarily a form of planning and modeling. For example, we might use it to project certain costs, depending on other factors such as availability, consumer demand, and competition. Primarily it gives the exact relationship between two or more variables in the given data set.

4. Association Rules:

This data mining technique helps to discover a link between two or more items. It finds a hidden pattern in the data set.
Association rules are if-then statements that support to show the probability of interactions between data items within large data sets in different types of databases. It calculates a percentage of items being purchased together. These are three major measurements technique:
Lift: This measurement technique measures the accuracy of the confidence over how often item B is purchased.
(Confidence) / (item B) / (Entire dataset)
Support: This measurement technique measures how often multiple items are purchased and compared it to the overall dataset.
Confidence: This measurement technique measures how often item B is purchased when item A is purchased as well.
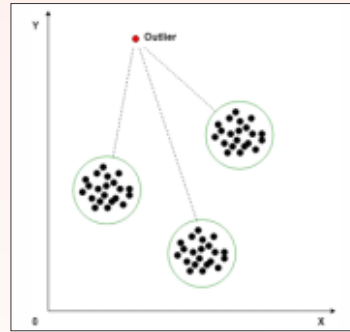(Item A + Item B) / (Item A)

5. Outer detection:

Fig: Outer Detection Analysis

This type of data mining technique relates to the observation of data items in the data set, which do not match an expected pattern or expected behavior. This technique may be used in various domains like intrusion, detection, fraud detection, etc. It is also known as Outlier Analysis or Outlier mining. The outlier is a data point that diverges too much from the rest of the dataset. The majority of the real-world datasets have an outlier. Outlier detection plays a significant role in the data mining field. Outlier detection is valuable in numerous fields like network interruption identification, credit or debit card fraud detection, detecting outlying in wireless sensor network data, etc.

6. Sequential Patterns:

SID	Sequence
1	$\langle\{a,b\},\{c\},\{f,g\},\{g\},\{e\}\rangle$
2	$\langle\{a,d\},\{c\},\{b\},\{a,b,e,f\}\rangle$
3	$\langle\{a\},\{b\},\{f,g\},\{e\}$
4	$\langle\{b\},\{f,g\}\rangle$

Fig: Sequential Pattern Analysis

The sequential pattern is a data mining technique specialized for evaluating sequential data to discover sequential patterns. It comprises of finding interesting subsequences in a set of sequences, where the stake of a sequence can be measured in terms of different criteria like length, occurrence frequency, etc. In other words, this technique of data mining helps to discover or recognize similar patterns in transaction data over some time.
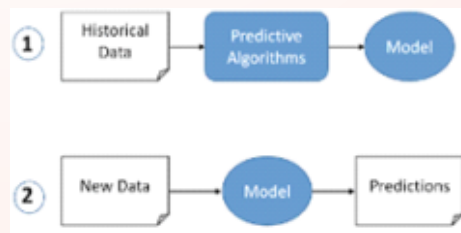
7. Prediction:

Fig. Prediction Using Existing Datasets

Prediction used a combination of other data mining techniques such as trends, clustering, classification, etc. It analyzes past events or instances in the right sequence to predict a future event.

6. Supper-reliance on technology and electronic gadgets:
The generation has a simple games, generals, math's calculation of adding and subtracting is done through a calculator ready available in our phones. The more dependent on the Internet, there are more chances to a potentially grievous events if we lose it.

STAFF ACHIEVEMENTS

1. Ms. Harsure M.S was done the online FDP in NBA Accrediation SAP Criteria 1 and 2 on 26-30 Sept 2021.The Training is related with NBA Criteria's.

2. Mr. Mane N. K. (HOD-CO) is selected for curriculum development of new course electronics and computer engineering for the subject Data structure using OOP in C++ by MSBTE Mumbai.

3. Ms. Zipare M.M. was rewarded with best teacher award on the occasion of 15th September 2021.

4. Ms. Patil .P.B. (HOD) has completed ME in Power System in May 2021.

5. Ms. Patil .P.B. Has done AICTE Sponsored One week Online STTP on Energy Conservation from 5 to 10 July 2021.

6. Mr. Menase P. P. (Lecturer, E&TC) completed 12 week NPTEL Online Certification course on "Microprocessors and Microcontroller".

7. Ms. Mashalkar S. D, (Lecturer, E&TC) completed 12 week NPTEL Online Certification course (FDP) on "Modern Digital Communication".

8. Mr. Menase P.P. (Letcurer, E&TC) was rewarded with best Engineer teacher award on the occasion of 15th September 2021

9. Ms. Gudgunti M. J. (Lecturer, E&TC) completed 12 week NPTEL Online Certification course on "Microprocessors and Microcontroller".

10. Mr. Shivgunde P.P., Mr. Vyas S. N., Mr. Menase P. P. & Ms. Wale P.S. designed & developed 19 Electronic Kit under R& D and Consultancy for SSWCOE, Solapur.

11. Mr. Hiremath S.S. attended one Day Workshop on "Virtual Lab Outreach" organized by IIT, Bombay on 24th Sept 2021.

12. Ms. Lande N. A. attended one day Workshop on "Artificial Intelligence" organized by Bharatiy Shikshan Mandal in associated With NITI AAyog, COEP Pune, PICT Pune & RIT Sangali on 28th Aug 2021

13. Mrs. Katare P. V. attended one week workshop on "NBA Criteria: SAR Criteria 1 & 2" organized by KBP Sanjivani Polytechnic, Kolhapur from 22nd oct to 28th oct 2021.

14. Ms. Pawar A.K. attended one day workshop on "Advanced Excel" on 20th June 2021

VISION, MISSION & GOAL

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.
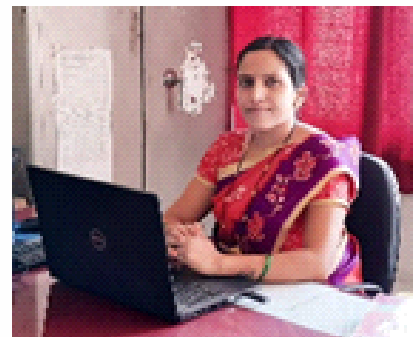
MISSION

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

It's immense pleasure to present the Shri Siddheshwar Women's Polytechnic, Solapur Newsletter Edition (July 2021-October 2021) Vol-I. Due to pandemic situation we were unable to publish News Letter last year. This year we have resumed it. This edition of newsletter is packed with events organized in college, various expert lectures, industrial visits organized by all departments, NSS activities, TPO activities. This issue also showcase the talents of our faculty achievements.