



RSM POLY NEWSLETTER – JUNE 2021

ABOUT MVP SAMAJ

The **Maratha Vidya Prasarak Samaj** is one of the most prestigious centers of learning in the State of Maharashtra. It manages 485 educational units and is one of the premier educational hub in the Nashik district.

At present, more than 2 lakhs of students are pursuing education. Over past 107 years, the institute has stood the test of time to become legend of unparalleled stature. History says that the credit for the birth of M.V.P. Samaj goes to the young, enthusiastic & devoted team of social workers and educationists who were inspired by the lives of Mahatma Jyotiba Phule, Savitribai Phule and Rajarshi Shahu Maharaj of Kolhapur. These young leading lights include Karmaveer Raosaheb Thorat, Bhausaheb Hire, Kakasaheb Wagh, Annasaheb Murkute, Ganpat Dada More, D. R. Bhonsale, Kirtiwanrao Nimbalkar and Vithoba Patil Khandalaskar, who laid the foundation of the Samaj. They were the men who envisioned the culture and knowledge centric society. The great visionaries of MVP Samaj rightly laid the "Well being and happiness of masses" as the motto for the Samaj.

ABOUT RSM POLYTECHNIC

The **Rajarshi Shahu Maharaj Polytechnic** has been established in the year 2008, at the central place in Nashik. It is affiliated to MSBTE, Mumbai and approved by Government of Maharashtra, DTE Mumbai and the AICTE, New Delhi. The Polytechnic is in the process of Accreditation and Gradation. The Polytechnic has well-equipped and well-furnished laboratories, workshop and hostel facilities. Every department has separate computational facilities along with LAN, Wi-Fi and necessary software. At present the RSM Polytechnic provides three-year courses leading to Diploma in Engineering of MSBTE, Mumbai in the five disciplines: Mechanical Engineering, Computer Technology, Electronics and Telecommunication Engineering, Information Technology and Electrical Engineering.

VISION AND MISSION

VISION:

- To Empower the Common Masses by providing Quality Technical Education.

MISSION:

- To create and implement innovative best practices to achieve academic excellence.
- To enhance the overall development of students by imparting essential skills.
- To inculcate principles of professional activities by promoting industry institute interaction and entrepreneurial skills.
- To create an environment awareness for sustainable development.

Admissions Open for First Year and Direct Second Year Diploma Engineering

मराठा विद्या प्रसारक समाजाचे

राजर्षी शाहू महाराज पॉलिटेक्निक, नाशिक

उदोजी मराठा बोर्डिंग कॅम्पस, गंगापूर रोड, नाशिक-१३

फोन नं. ०२५३-२३११०१८, २३११०१९

**प्रथम वर्ष व थेट
द्वितीय वर्ष प्रवेश**

शाखा	कोड	क्षमता
मेकॅनिकल इंजिनिअरींग	524761210	60
कॉम्प्युटर टेक्नोलॉजी	524725110	60
इलेक्ट्रॉनिक्स अँड टेलीकम्युनिकेशन इंजिनिअरींग	524737210	60
इन्फॉर्मेशन टेक्नोलॉजी	524724610	60
इलेक्ट्रीकल इंजिनिअरींग	524729310	60

प्रवेशासाठी पात्रता

प्रथम वर्ष	थेट द्वितीय वर्ष
* इयत्ता १० वी पास	* इ. १२ वी सायन्स, एम.सी.व्ही.सी., व्होकेशनल, टेक्निकल * आय.टी.आय. (कमीत कमी दोन वर्षांचा कालावधी)

वैशिष्ट्ये : * उच्च शिक्षित व अनुभवी प्राध्यापक वर्ग * सर्व प्रकारच्या शासकिय स्कॉलरशिप योजना लागू * नाशिक शहराच्या मध्यवर्ती ठिकाणी
* सुसज्ज प्रयोगशाला व सुसज्ज ग्रंथालय * कॅम्पस इंटरव्ह्यूद्वारा नोकरी मिळविण्याची संधी.

MVP RSM Polytechnic FC

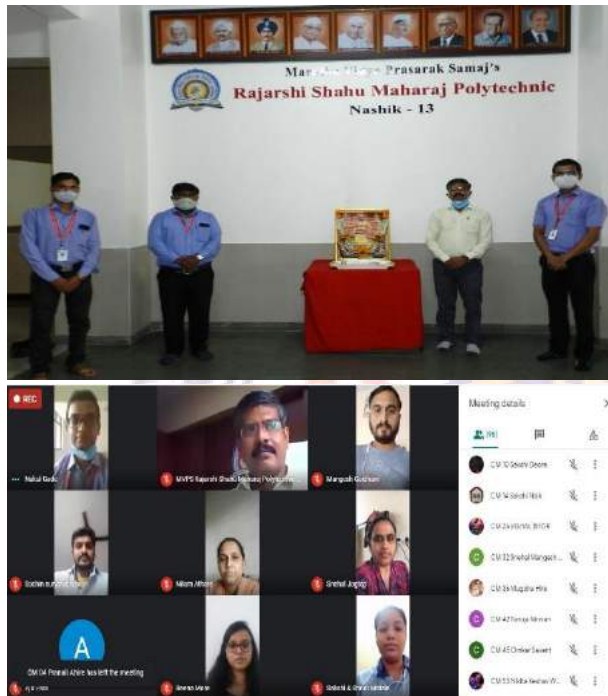
- MVPS's RSM Polytechnic has authorised Facilitation Center for First Year and Direct Second Year Diploma Engineering Admission for AY 2021-22



FC takes all precautions to avoid spread of Covid-19 with social distancing guided by DTE.

MVP RSM Polytechnic

- Shivrajyabhishek Din Sohala
Celebration (6th June 2021)



Shivrajyabhishek Din Sohala was celebrated in the institute by faculties and supporting staff members in Online Mode.

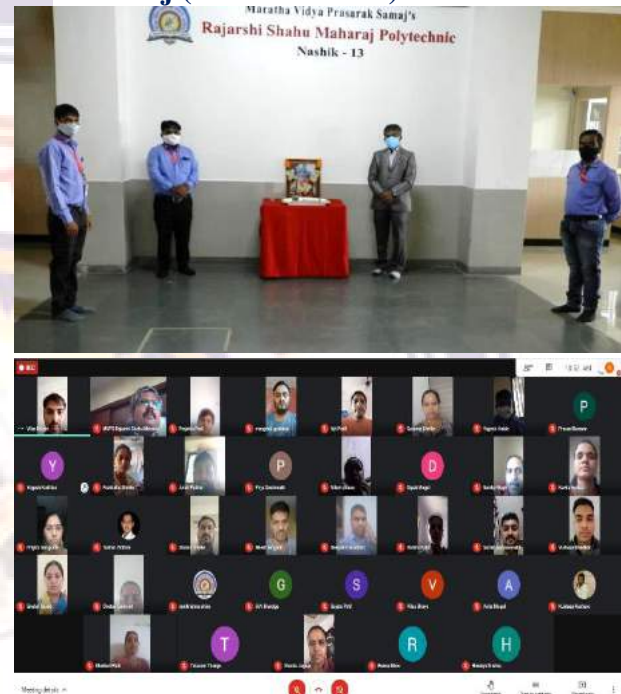
- Organized Online Quiz on Shivrajyabhishek Sohala Din and Chhatrapati Shivaji Maharaj Life and Entire Tenure (6th June 2021)



Online Quiz on Shivrajyabhishek Sohala Din and Chhatrapati Shivaji Maharaj Life and Entire Tenure had organized by EJ

Department. The quiz was coordinated by Mr. V. D. Bhoje.

- Birth Anniversary of Rajarshi Shahu Maharaj (26th June 2021)



A Birth Anniversary of Rajarshi Shahu Maharaj was celebrated in the institute by faculties and supporting staff members with social distancing.

- Organized Online National Conference on Emerging Trends in Engineering and Technology (9th June 2021)

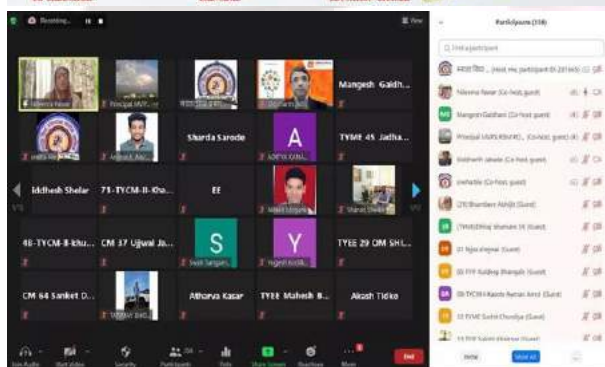


Intellectual Property and Innovation: An Enabler in Emerging Technologies Adaptation

National Conference on Emerging Trends in Engineering and
Technology -2021

Prof. Siddharth Jabade
Vice Chancellor

Vishwakarma University, Pune, India
Wednesday, 9 June 2021



Online National Conference on Emerging
Trends in Engineering and Technology had
organized and conducted by Information

Technology Department for Third year
students of Mechanical Engineering,
Computer Technology, E & TC
Engineering, Information Technology and
Electrical Engineering Department. The
event was coordinated by Prof. V. K.
Khedkar and guided by Dr. D. B. Uphade,
Principal, MVPS's Rajarshi Shahu Maharaj
Polytechnic, Nashik.

- MSBTE Class Test II (14th-16 June 2021)
MSBTE Class II was conducted for All
Students of RSM Polytechnic on 14th, 15th
and 16th June 2021.
- Organized Online Quiz on Vachan Din
(19th June and 20th June 2021)



Online Quiz on Vachan Din had organized
by Library Department. The quiz was
coordinated by Mrs. S. M. Patil.

- 7th International Yoga Day Celebration
(21st June 2021)





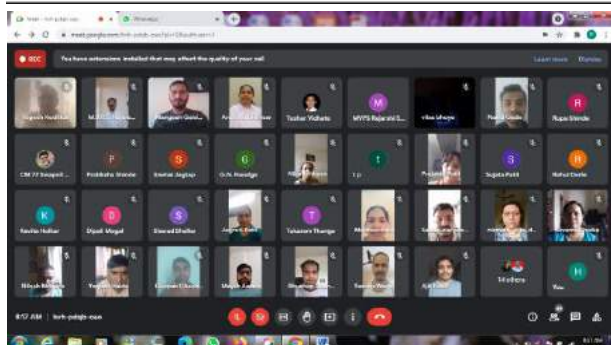
Maratha Vidya Prasarak Samaj's

Rajarshi Shahu Maharaj Polytechnic, Nashik

Udoji Maratha Boarding Campus, Near Pumping Station, Gangapur Road, Nashik-13.

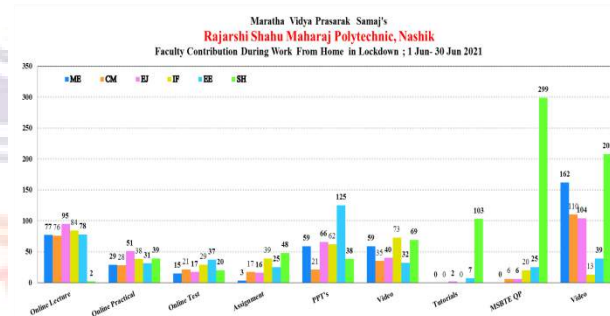
RSM POLY

Affiliated to MSBTE Mumbai, Approved by AICTE New Delhi, DTE Mumbai & Govt. of Maharashtra, Mumbai.



7th International Yoga Day was celebrated in the institute by faculties and supporting staff members in Online Mode. Yoga session was conducted by Yoga Teacher Mrs. A. A. Bhavsar, Yoga Vidya Dham, Nashik. It was coordinated by Prof. Y. R. Kodhilkar.

Summary of Work from Home during Lockdown from 1st June to 30th June.



MVPS'S Rajarshi Shahu Maharaj Polytechnic's Faculty and Staff had conducted Online Lectures and other activity for students of AY 2020-2021. Estudy material prepared by faculty and staff, uploaded on his/her Wordpress blog and Youtube channel, and circulated in students.

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Maratha Vidya Prasarak Samaj's

Rajarshi Shahu Maharaj Polytechnic, Nashik

Udoji Maratha Boarding Campus, Near Pumping Station, Gangapur Road, Nashik-13.

RSM POLY

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NEWSLETTER: JUNE 2021

Mechanical Engineering Department			Computer Technology Department		
Sr #	Activities	Date(s)	Sr #	Activities	Date(s)
1.	Conducted Webinar on Absorption Refrigeration Systems.	1 st June 2021	1.	Conducted Skill Development Program on Electrical Safety	16 th June 2021
2.	Organized Online Quiz on Refrigeration & Air Conditioning on the occasion of Environment Day	5 th June 2021	2.	Attended Online National Conference on Emerging Trends in Engineering and Technology	9 th June 2021
3.	Attended Online National Conference on Emerging Trends in Engineering and Technology	9 th June 2021			
4.	Conducted Guest Lecture on Future Technology in CAD/CAM/CAE	11 th June 2021			
5.	Organized Virtual Industrial Visit to Kedar Enterprises	15 th June 2021			
6.	Conducted Expert Lecture on Recent Trends in Renewable Energy Sources	16 th June 2021			
Electronics & Telecomm. Department			Information Technology Department		
1.	Conducted Skill Development Program on Computer Networking	5 th June 2021	1.	Organized Online National Conference on Emerging Trends in Engineering and Technology	9 th June 2021
2.	Attended Online National Conference on Emerging Trends in Engineering and Technology	9 th June 2021			
Electrical Engineering Department			Science and Humanity Department		
1.	Conducted Guest Lecture on Basics of Microcontroller and Application	5 th June 2021	1.	Organized Article Writing Competition on the occasion of World Environment Day	5 th June 2021
2.	Organized Virtual Industrial Visit to 33/11 KV Substation Bopegaon	7 th June 2021	2.	Attended Shivrajyabhishek Din Sohala Celebrated by DTE, Mumbai	6 th June 2021
3.	Attended Online National Conference on Emerging Trends in Engineering and Technology	9 th June 2021	3.	Conducted Skill Development Program on Toner Refilling	11 th June 2021
			4.	Conducted SDP on Working & Maintenance of Electrical Equipment	11 th June 2021
			5.	Conducted SDP on Breadboard Connections	11 th June 2021
			6.	Conducted Skill Development Program on Know About Lathe Machine	11 th June 2021

Mechanical Engg. Department

- Conducted Webinar on Absorption Refrigeration Systems (1st June 2021)



INDIAN SOCIETY OF HEATING, REFRIGERATING & AIR CONDITIONING ENGINEERS

ISHRAE Nashik Chapter

feels pleasure in inviting you for the Technical Talk on

Absorption Refrigeration Systems

Guest of Honour
Pankaj Sareen
(National Chair - Students)

Key Points

- Absorption Refrigeration Systems
- Introduction Basic Cycles
- Components and their function
- Li-Br - Water Refrigeration Cycle
- Ammonia - Water Refrigeration Cycle
- Comparison between LiBr-H₂O and NH₃-H₂O Refrigeration Systems
- Comparison between Vapour Absorption and Compression Refrigeration System.

Speaker
Dr. D. B. Uphade
ME (Mech I) Prof. (Mech.) IIT Mumbai
Principal of Maratha Vidya Prasarak Samaj's, Rajarshi Shahu Maharaj Polytechnic, Nashik

Dr. D. B. Uphade has completed Doctorate from Indian Institute of Technology (IIT Bombay), Mumbai in 2018. He has completed Research work, which was funded by Tata Centre for Technology and Design. His Research interest includes Refrigeration and air-conditioning, Heat Pumps, Jagdery making Renewable Energy Systems. He has 17 years of teaching and research experience. He is also working as a reviewer for some International Journals and University Dissertations. He is a member of ISHRAE Nashik Chapter and Institution of Engineers(I). Currently, he is working as Principal of Maratha Vidya Prasarak Samaj's Rajarshi Shahu Maharaj Polytechnic, Nashik

Date : 01/ 06/ 2021 Time 06:00 PM TO 08:30 PM

Registration Link: <https://forms.gle/qPCrL5qZqtkGqKqN9>

Vilas Ashtekar President 9860271584	Amar Grover Program Chair 9422258348	Dr. D. B. Uphade Student Chair 9881981004
Sunil Gavaskar President (Aurangabad Sub Chapter) 98220 92615	Javed Siddiqui Program Chair (Aurangabad Sub Chapter) 88062 58898	Mangesh Urnay Student Chair (Aurangabad Sub Chapter) 99758 19358

OUTLINE OF PRESENTATION

Absorption Refrigeration Systems

- Classification of Sorption and Compression Refrigeration Cycles
 - VAC and VCC
- Basics of Vapour Absorption Cycle
 - Definitions and Applications, Working Pairs – Refrigerant and Absorbent
- Brief about Adsorption Refrigeration Cycle
 - Refrigerant and Absorbent Pairs, Advantages and Disadvantages
- LiBr-Water Refrigeration System
 - Component and Their Functions, Working Principle, Representation on p-T-x Chart
- Ammonia-Water Refrigeration System
 - Component and Their Functions, Working Principle, Representation on p-T-x Chart
- Performance of Advanced Vapour Absorption Cycle
- Desirable Properties of Ideal Refrigerants
 - Pressure, Critical Temperature, Freezing Point, Cost of Refrigerant, Corrosion
- Characteristics of Refrigerant/Absorbent Pairs
 - Absence of Solid Phase, Volatility Ratio, Affinity, Pressure, Stability, Safety, Corrosion, Latent Heat
- Summary

The Webinar on Absorption Refrigeration Systems had attended by Third Year Students and Staff of Mechanical Engg. Webinar was organized by ISHRAE Chapter, Nashik. It was delivered by Dr. D. B. Uphade, Principal, MVPS's Rajarshi

Shahu Maharaj Polytechnic, Nashik. The event was coordinated by Prof. K. V. Kushare.

- Organized Online Quiz on Refrigeration & Air Conditioning on the occasion of Environment Day (5th June 2021)



Maratha Vidya Prasarak Samaj's
Rajarshi Shahu Maharaj Polytechnic, Nashik
Udaji Maratha Boarding Campus, Near KBT COP, Gangapur Road, Nashik-13
Tel: 9253 2311018 www.rsmpoly.org.nashik rdarprasa@polyd@gmail.com

ISHRAE Nashik Chapter

Environment Day Quiz 2021

on the occasion of World Environment Day in association with ISHRAE Nashik Chapter

Saturday 05 Jun 2021
10:00 AM To 11:00 AM

Registration Link:-
<https://forms.gle/wcfm9TKU2FjDxw4y7>

Prof. K.V.Kushare CO-ORDINATOR
Prof. B.S. Deshmukh HOD ME
Mr. Vilas Ashtekar PRESIDENT, ISHRAE NASHIK CHAPTER
Dr. D.B.Uphade PRINCIPAL

Maratha Vidya Prasarak Samaj's
Rajarshi Shahu Maharaj Polytechnic
Udaji Maratha Boarding Campus, Gangapur Road, Nashik-13
Department of Mechanical Engineering

Online Quiz on Refrigeration and Air-Conditioning

on the Occasion of World Environment Day

In with Association
ISHRAE Nashik Chapter

EXAM Details:
20 Questions
20 Marks

Maratha Vidya Prasarak Samaj's Rajarshi Shahu Maharaj Polytechnic is one of the most prestigious polytechnic in Nashik. We continuously improving our quality to give best to current and upcoming students of this polytechnic. An inspiration from Hon. Sarchitnis Smt. Nilematul V. Pawar and under guidance of Management of MVP samaj, we have conducted many online lectures, written and online tests, staff meetings, online FDP courses. Now, We are going to conduct Online Quiz based on Refrigeration and Air Conditioning, in with association ISHRAE Nashik Chapter as a work from home activity. We request all the students and ISHRAE members of all institutes in Maharashtra to participate in this online quiz by filling Google form. Participant who will score more than 40% will receive appreciation certificate on their register mail-id.

!!! STAY HOME AND STAY SAFE !!!

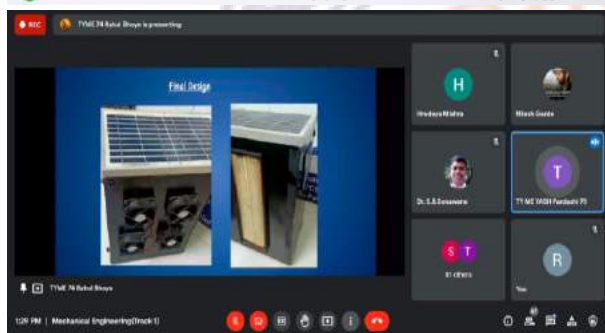
To participate in Quiz click: <https://forms.gle/ZAN8RUPp3ZAMN>

Prof. B. S. Deshmukh H.O.D., Mechanical Engg.
Mr. Vilas Ashtekar President, ISHRAE Nashik Chapter
Dr. D. B. Uphade Principal

STAY HOME STAY SAFE
STOP COVID-19

Online Quiz on Refrigeration & Air Conditioning on the occasion of Environment Day had organized by Mechanical Engg. Department under ISHRAE RSM Student Chapter. The quiz was coordinated by Prof. K. V. Kushare.

- Attended Online National Conference on Emerging Trends in Engineering and Technology (9th June 2021)



Online National Conference on Emerging Trends in Engineering and Technology had attended by Third year students of Mechanical Engineering Department. The event was coordinated by Prof. V. K. Khedkar and guided by Dr. D. B. Uphade, Principal, MVPS's Rajarshi Shahu Maharaj Polytechnic, Nashik.

- Conducted Guest Lecture on Future Technology in CAD/CAM/CAE (11th June 2021)



Maratha Vidya Prasarak Samaj's
Rajarshi Shahu Maharaj Polytechnic, Nashik
Udaji Maratha Boarding Campus, Near KBTCE, Gangapur Road, Nashik-13

Expert Lecture on Future Technology in CAD/CAM/CAE



Objectives:

- To understand the current scenario of industries.
- To know the various CAD tools used in industry
- To understand the Application of CAD tools
- To get familiar with various design softwares and its applications in various industries

Outcomes:

- Analyze technical drawings using both CAD and basic manual tools.
- Create 2D and 3D computer drawings and models for manufacturing using various design software.

Mr. Sandeep Kotwal
Speaker

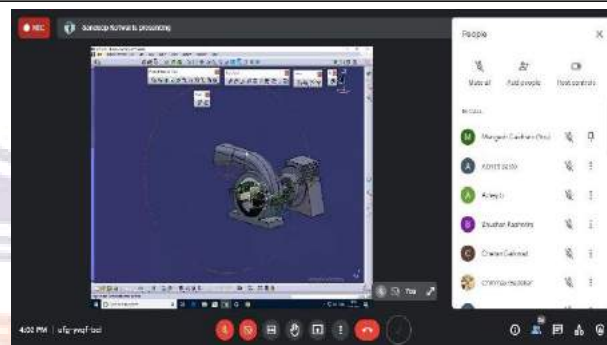
Mr. B. S. Deshmukh
HOD, ME

Dr. D. B. Uphade
PRINCIPAL

11th June 2021
03:00 pm to 05:00 pm

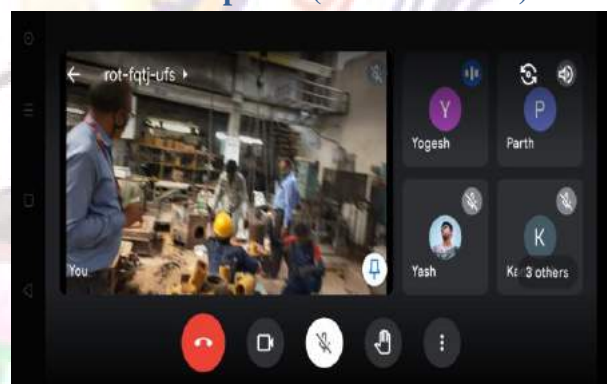
Second Year Students of
Mechanical Engg. Department

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www.rsmpoly.org



Online Guest Lecture was organized on Future Technology in CAD/CAM/CAE under the subject of Computer Aided Drafting for Second Years students and Faculties of Mechanical Engineering Department. It was delivered by Mr. Sumant Borade, Trainee Manager and Mr. Sandeep Kotwal, Project manager. The event was coordinated by Prof. M. S. Gaidhani.

- Organized Virtual Industrial Visit to Kedar Enterprises (15th June 2021)



Virtual Industrial Visit on Sand Casting Processes under subject Manufacturing Processes at Kedar Enterprises was organized for Second Year students of Mechanical Engineering Department by Prof. Y. R. Kodhilkar.

Conducted Expert Lecture on Recent Trends in Renewable Energy Sources (16th June 2021)



Maratha Vidya Prasarak Samaj's
Rajarshi Shahu Maharaj Polytechnic, Nashik
Udaji Maratha Boarding Campus, Near KBTCE, Gangapur Road, Nashik-13

Expert Lecture on Recent Trends in Renewable Energy Sources



Mr. Nikhil Tarle
Speaker

Objectives:

- To understand the current scenario of energy crisis.
- To know the various sources of renewable energy.
- To understand the new technology developed in the field of renewable energy.
- To know advantages of renewable energy sources over conventional energy sources.

Outcomes:

- Students will get familiar with new technology developed to utilize renewable energy sources in efficient way.
- Students will understand future need and opportunities in renewable energy.

16th June 2021
12:00 pm to 01:00 pm

Mr. B. S. Deshmukh
HOD, ME

Third Year Students of
Mechanical Engg. Department

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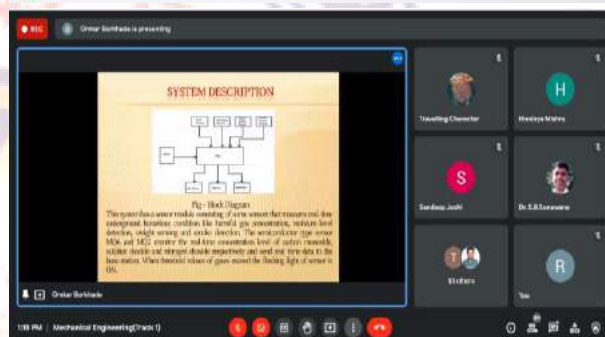
Dr. D. B. Uphade
PRINCIPAL



Expert Lecture was organized on Recent Trends in Renewable Energy Sources under the subject of Renewable Energy Technologies for Third Years students and Faculties of Mechanical Engineering department. It was delivered by Mr. N. H. Tarle, Director, Nirmalhira Renewables, Tidake Colony, Nashik. The event was coordinated by Prof. M. S. Gaidhani.

Computer Department

Attended Online National Conference on Emerging Trends in Engineering and Technology (9th June 2021)



Online National Conference on Emerging Trends in Engineering and Technology had attended by Third year students of Computer Technology Department. The event was coordinated by Prof. V. K. Khedkar and guided by Dr. D. B. Uphade, Principal, MVPS's Rajarshi Shahu Maharaj Polytechnic, Nashik.

Conducted Skill Development Program on Electrical Safety (12th June 2021)



Maratha Vidya Prasarak Samaj's
Rajarshi Shahu Maharaj Polytechnic, Nashik
Udaji Maratha Boarding Campus, Near KBTCE, Gangapur Road, Nashik-13

Skill Development Program on Electrical Safety



Prof. A.S. Parikh
Speaker

Objectives:

- Identification & elimination of safety hazards.
- Electrical safety principles in Computer and IT industry.
- Creating awareness about safe operation of equipment & facility.

Outcomes:

- Implement safety protocols from the start.
- Awareness about safety precautions.

12th June 2021
10:00 am to 11:00 am

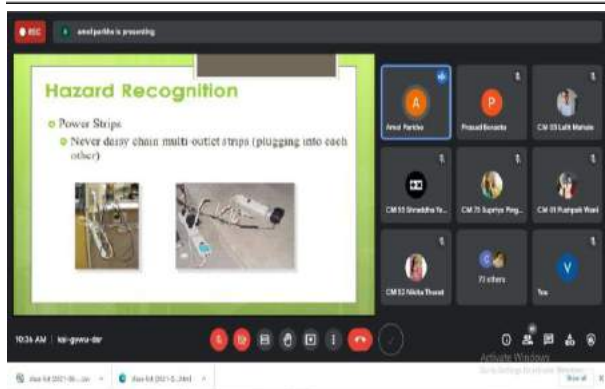
Mr. P. D. Borasle
HOD, CM

Second & Third Year Students of
Computer Technology Department

STAY HOME, STAY SAFE

www.rsmpoly.org

Dr. D. B. Uphade
PRINCIPAL



Online Skill Development Program on Electrical Safety had organized by Computer Department for Second Year and Third year students. Prof. A. S. Parkhe, Lecturer, MVPS's Rajarshi Shahu Maharaj Polytechnic, Nashik was delivered Lecture. The event was coordinated by Prof. P. D. Boraste.

E & TC Engineering Department

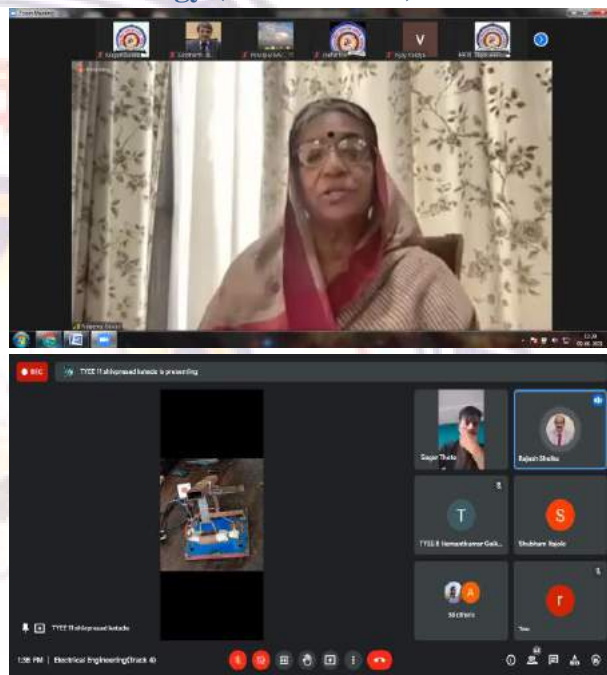
- Conducted Skill Development Program on Computer Networking (5th June 2021)



Online Skill Development Program on Computer Network under subject Data Communication and Networking had organized by EJ Department for Second Year and Third year students. Prof. G. N. Handge, Lecturer, MVPS's Rajarshi Shahu Maharaj Polytechnic, Nashik was delivered

Lecture. The event was coordinated by Prof. P. G. Deshmukh.

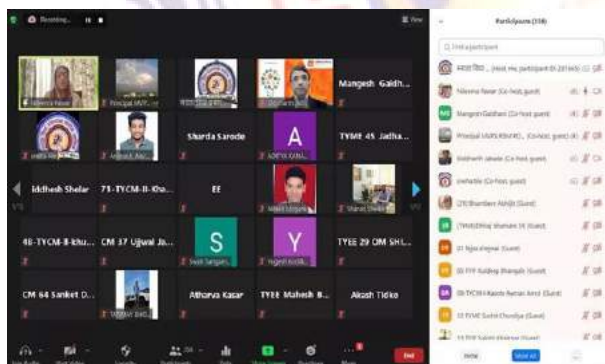
- Attended Online National Conference on Emerging Trends in Engineering and Technology (9th June 2021)



Online National Conference on Emerging Trends in Engineering and Technology had attended by Third year students of E & TC Department. The event was coordinated by Prof. V. K. Khedkar and guided by Dr. D. B. Uphade, Principal, MVPS's Rajarshi Shahu Maharaj Polytechnic, Nashik.

Information Technology Department

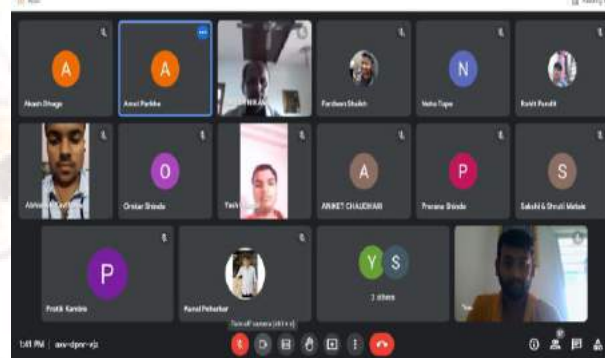
- Organized Online National Conference on Emerging Trends in Engineering and Technology (9th June 2021)



Online National Conference on Emerging Trends in Engineering and Technology had organized and conducted by Information Technology Department for Third year students of Information Technology Department. The event was coordinated by Prof. V. K. Khedkar and guided by Dr. D. B. Uphade, Principal, MVPS's Rajarshi Shahu Maharaj Polytechnic, Nashik.

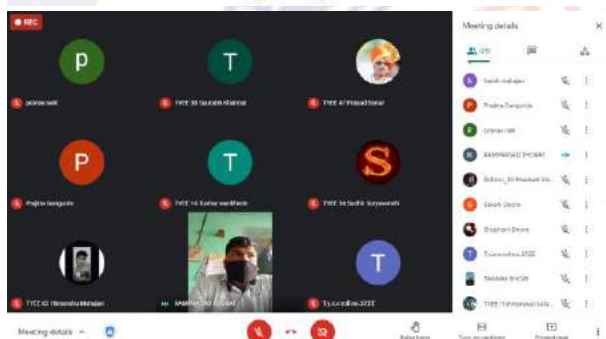
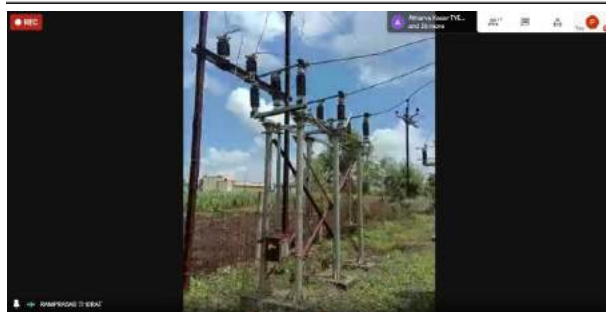
Electrical Engineering Department

- Conducted Guest Lecture on Basics of Microcontroller and Application (5th June 2021)



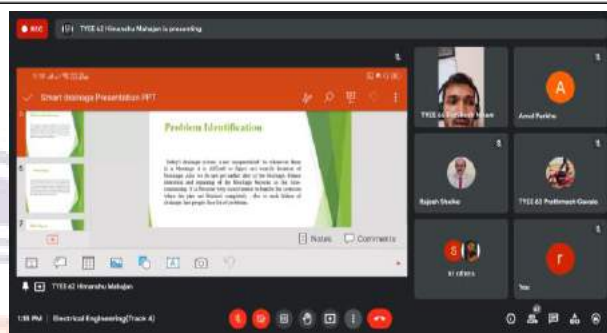
Online Guest Lecture was organized on Basics of Microcontroller and Application under Subject Digital Electronics and Microcontroller had organized for Second Year students by Prof. A. S. Parkhe of Electrical Engineering Department. It was delivered by Prof. S. D. Nikam, Assistant Professor, MVPS's KBT COE, Nashik.

- Organized Virtual Industrial Visit to 33/11 KV Substation Bopegaon (7th June 2021)



Virtual Industrial Visit was organized on 33/11 KV, Bopegaon Substation under Subject Utilization of Electrical Energy for Third Year students by Prof. P. R. Gangurde of Electrical Engineering Department. It was delivered by Mr. R. M. Thorat, Assistant Engineer, MSEDCL.

- Attended Online National Conference on Emerging Trends in Engineering and Technology (9th June 2021)



Online National Conference on Emerging Trends in Engineering and Technology had attended by Third year students of E & TC Department. The event was coordinated by Prof. V. K. Khedkar and guided by Dr. D. B. Uphade, Principal, MVPS's Rajarshi Shahu Maharaj Polytechnic, Nashik.

Science and Humanity Department

- Organized Article Writing Competition on the occasion of World Environment Day (5th June 2021)

Positive and Negative impact of COVID-19

Coronaviruses are a large family of viruses that are known to cause illnesses ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome (MERS) and Severe Acute Respiratory Syndrome (SARS). A novel coronavirus (COVID-19) was identified in 2019 in Wuhan, China. Viruses have varying abilities to infect people. For COVID-19, each person with the virus can go to infect around 2-3 people. If each of those people go about their day as normal, and infect another 2-3 people, within a month, 400 people would be infected just from the first infection. COVID-19 is more infectious than other coronaviruses such as SARS or MERS-CoV. The "same reality rule" (CTR), or risk of dying from the new coronavirus, is about 4.4%, although this risk varies by geography, and also can change over the course of a pandemic. It is also less deadly than SARS (10%) or MERS-CoV (35%). So if COVID-19 is less deadly than previous epidemic threats, why has it spread so far and wide that it has become the world's a pandemic?

The answer seems to be precisely because the new coronavirus is less deadly: thousands of people with either no symptoms or very mild symptoms have been spreading the virus unaware that they were even infected. This means that before health experts were aware of the problem and started to recommend control measures, the virus had already spread to multiple

resources to the care of this enormously increasing patient population. However, the pandemic also had a negative impact on non-infected patients with chronic and rare diseases. Impact of COVID-19 pandemic on heart-healthy behavioral changes: Change in sleep or appetite was observed in more than one-third of the patients; patients reported that 33.3% experienced a change in sleep duration; 60% of the population was trying to be more compliant with a healthy diet during the outbreak. Increase in Anxiety: Almost 62% of the patients reported an increase in their anxiety level was 3. The anxiety level was not associated with age, gender, history of CV disease, or duration of the disease. Having a previous psychiatric diagnosis or psychotropic drug use did not have any impact on lifestyle measure changes, anxiety level and was not associated with age. Avoidance of seeking medical care: Most of the study population reported that they would not go to a hospital even if they had a severe complaint during the COVID-19 outbreak. How to overcome the negative impact: Global quarantine measures, economic concerns, emotional load, and the fear of contracting the coronavirus are probably the explanation of the increased anxiety and disruption of heart-healthy lifestyle changes observed in our patients. The observed 50% increase in compliance of at least one or more components of these healthy life increased follow-up and education.

Shahid Fardeen,
Student Electrical Engineering

On the occasion of World Environment Day Article Writing Competition had Organized by Science & Humanity Department for Second Year students of Mechanical & Electrical Engineering Dept. The Competition Coordinatated by Prof. P. V. Patil.

■ **Shivrajyabhishek Din Sohala Celebration (6th June 2021)**



The Program of the Shivrajyabhishek Din Sohala was organized by Directorate of Technical Education (DTE), Mumbai by online mode. It has attended by Faculties of Science and Humanity Department and students. The event was coordinated by Prof. A. A. Mogal.

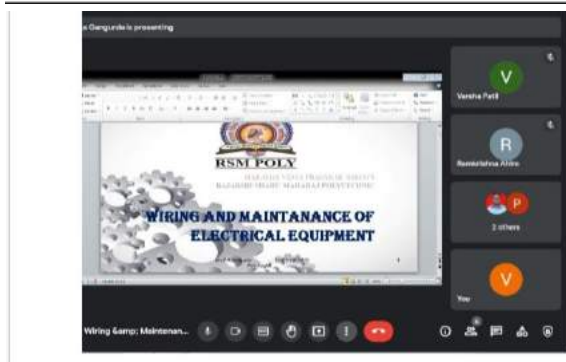
■ **Conducted Skill Development Program on Toner Refilling (11th June 2021)**



Online Skill Development Program on Toner Refilling had organized by Science and Humanity Department for First Year students of Computer and Information Technology Dept. Mrs. S. U. Shelke was delivered session. The event was coordinated by Prof. A. A. Mogal.

■ **Conducted Skill Development Program on Working & Maintenance of Electrical Equipment (11th June 2021)**





Science and Humanity Department for First Year students of E & TC Engg. Dept. Prof. P. G. Deshmukh was delivered session. The event was coordinated by Prof. V. R. Patil.

- Conducted Skill Development Program on Know About Lathe Machine (11th June 2021)

Online Skill Development Program on Working & Maintenance of Electrical Equipment had organized by Science and Humanity Department for First Year students of Electrical Engg. Dept. Prof. P. R. Gangurde, HOD, Electrical Engineering Dept. was delivered session. The event was coordinated by Prof. V. R. Patil.

- Conducted Skill Development Program on Breadboard Connections (11th June 2021)

Maratha Vidya Prasarak Samaj's
Rajarshi Shahu Maharaj Polytechnic, Nashik
Udoji Maratha Boarding Campus, Near KBT COL, Gangapur Road, Nashik-13

Skill Development Program on Breadboard Connection

Objectives:

- To make quick electrical connections between components
- To design and implement electronics project

Outcomes:

- To allow the rapid creation of circuits
- To check for easy and complex circuits of both

Prof. P. G. Deshmukh
Speaker

11th Jun 2021
10:00 am to 11:00 am

First Year Students Electronics & Telecommunication Department

STAY HOME, STAY SAFE
www.rsmpoly.org

Dr. D. B. Uphade
PRINCIPAL



Online Skill Development Program on Breadboard Connections had organized by

Maratha Vidya Prasarak Samaj's
Rajarshi Shahu Maharaj Polytechnic, Nashik
Udoji Maratha Boarding Campus, Near KBT COL, Gangapur Road, Nashik-13

Skill Development Program on Know about Lathe Machine

Objectives:

- To remove material from outside by moving the work against a cutting tool
- To remove extra material from the work-piece to make a desired shape with the help of special tools

Outcomes:

- Gaining basic understanding of lathe machine
- Gaining practical experience of use and working of different parts of lathe machine

Prof. M. S. Aware
Speaker

11th Jun 2021
01:45 pm to 02:45 pm

First Year Students Mechanical Department

STAY HOME, STAY SAFE
www.rsmpoly.org

Dr. D. B. Uphade
PRINCIPAL



Online Skill Development Program on Know About Lathe Machine had organized by Science and Humanity Department for First Year students of Electrical Engg. Dept. Prof. M. S. Aware was delivered session. The event was coordinated by Prof. V. R. Patil.

Trending Technology:

Erasable Printing Technology.



Printing is a process for mass reproducing text and images using a master form or template. The earliest non-paper products involving printing include cylinder seals and objects such as the Cyrus Cylinder and the Cylinders of Nabonidus. The earliest known form of printing as applied to

paper was woodblock printing, which appeared in China before 220 AD for cloth printing. However, it would not be applied to paper until the seventh century. Later developments in printing technology include the movable type invented by Bi Sheng around 1040 AD and the printing press invented by Johannes Gutenberg in the 15th century. The technology of printing played a key role in the development of the Renaissance and the Scientific Revolution and laid the material basis for the modern knowledge-based economy and the spread of learning to the masses.

About Erasable Printer:

Toshiba has released its second-generation erasable toner printer, integrating this world-first technology into a standard multi-functional printer. The new features make the re-use of paper a more efficient and easy process, providing businesses with more reasons to choose the latest environmentally beneficial printing solution.

Packed with state-of-the-art technology, the Toshiba e-STUDIO4508LP connects, integrates and simplifies workflows to enable users to be productive and efficient within a business environment. A customisable tablet-like user interface, gives easy access to the print, scan, copy, fax and erase functions. Other benefits include reduced spend associated with purchase, more storage, and less waste.



How does it work?

The idea is based on the same technology as the FriXion Ball erasable pens; both use heat to cause the ink to lose its color. With the pens, the heat is brought about by friction; with the eraser machine it's done using a heating element.

The idea is based on the same technology as the FriXion Ball erasable pens; both use heat to cause the ink to lose its color. With the pens, the heat is brought about by friction; with the eraser machine it's done using a heating element.

A compatible line of pens from Pilot use ink that the printer can delete, so writing on documents you want to erase isn't an issue.

Deleting documents is not always desirable in cases where important information needs to be captured. Toshiba have addressed this concern by adding scanner technology that can create an electronic copy of your documents before they disappear.

For now the device is only capable of printing blue toner, but we hear that additional colours are in development so eventually we could see a full colour machine.

Mr. N. S. Mogare
LME

Row Cycle



Most people today use bicycles for a combination of exercise, recreation and utilitarian transport. Bicycles provide mostly a lower-body workout which is insufficient alone as a total-body workout. On the other

hand, stationary rowing is a common form of exercise that provides a more complete full-body workout with an emphasis on the upper body. If exercise is as important a focus as locomotion of the bike design, then the ideal bike is one that utilizes rowing instead of peddling as the mode of power delivery. This combination preserves the utility and recreational value of a bike while improving its exercise component by incorporating more core and arm strength in every stroke. In contrast to a recumbent bicycle, where the upper body is more or less stationary while only the legs provide power, rowing bikes offer a much more complete workout. The resulting design will be a success if it is able to provide excellent mobility and

exercise for its user while meeting the challenges -such as traffic, frequent stops, evading dangerous drivers-associated with biking in cities.

How will Row Cycle work?

As a person starts the row, his or her feet should already be slipped into the pedals of the sliding platform that is attached to the rail (the rail assembly), with their hands holding onto the T shaped handle bar lever that arcs back and forth on a fixed point on the frame. As they extend their arms forward (as is similar to the eccentric portion of a repetition movement in a rowing exercise), their legs are drawn into the core of their body as the platform slides along the rail close to them. To start the bike in locomotion (leading with their latissimus dorsi muscles), an individual should hold onto the T bar hand rail and draw their arms towards the core of their body. That way his/her legs are extended at the end of the stroke. There is a recoiling mechanism that will allow the T bar handle and sliding rail to return to their starting position.

Current Developments of Flying Car:

A special feature of the ROWCYCLE is its steering system. A rowboat on water leans to the left and to the right side. This movement was constructively implemented. As the frame inclines around its longitudinal axis there is a corresponding, immediate movement of the front wheels to the appropriate side. Thus there is no steering wheel or other kind of steer kit. The athlete steers by weight shifting. Due to its steering system the ROWCYCLE is very maneuverable. A course correction is made intuitively by weight shifting.

Future Developments of Row cycle:

Rowing Cycle was modified for functional electrical stimulation (FES) rowing exercise in paraplegia. A new seating system provides trunk stability and constrains the leg motion to the sagittal plane. A 4-channel electrical stimulator activates the quadriceps and hamstrings in Drive and Recovery phases of the rowing cycle, respectively.

Mr. Jayesh Borse

Student, TYME

Quantum Computing



Quantum Computing is the use of quantum phenomena such as superposition and entanglement to perform computation. Computers that perform quantum computations are known as quantum computers. They are believed to be able to solve

certain computational problems, such as integer factorization (which underlies RSA encryption), substantially faster than classical computers. The study of quantum computing is a subfield of quantum information science. It is likely to expand in the next few years as the field shifts toward real-world use in pharmaceutical, data security and other applications.

Quantum computing began in the early 1980s when physicist Paul Benioff proposed a quantum mechanical model of the Turing machine. Richard Feynman and Yuri Manin later suggested that a quantum computer had the potential to simulate things a classical computer could not. In 1994, Peter Shor developed a quantum algorithm for factoring integers with the potential to decrypt RSA-encrypted communications. Despite ongoing experimental progress since the late 1990s, most researchers believe that "fault-tolerant quantum computing [is] still a rather distant dream." In recent years, investment in quantum computing research has increased in the public and private sectors. On 23 October 2019, Google AI, in partnership with the U.S. National Aeronautics and Space Administration (NASA), claimed to have performed a quantum computation that was infeasible on any classical computer.

There are several types of quantum computers (or rather, quantum computing systems), including the quantum circuit model, quantum Turing machine, adiabatic quantum computer, one-way quantum computing, and various quantum cellular automata. The most widely used model is the quantum circuit, based on the quantum bit, or "qubit", which is somewhat analogous to the bit in classical computation. A qubit can be in a 1 or 0 quantum state, or in a superposition of the 1 and 0 states. When it is measured, however, it is always 0 or 1; the probability of either outcomes depends on the qubit's quantum state immediately prior to measurement.

Efforts towards building a physical quantum computer focus on technologies such as transmons, ion traps and topological quantum computers, which aim to create

high-quality qubits. These qubits may be designed differently, depending on the full quantum computer's computing model, whether quantum logic gates, quantum annealing, or adiabatic quantum computation. There is currently a number of significant obstacles to constructing useful quantum computers. It is particularly difficult to maintain qubits' quantum states, as they suffer from quantum decoherence and state fidelity. Quantum computers therefore require error correction.

Miss. Vaishnavi Chaudhari

Student, TYCM

Robotic Process Automation



Robotic process automation (RPA) is a form of business process automation technology based on metaphorical software robots (bots) or on artificial intelligence (AI)/digital workers. It is sometimes referred to

as software robotics.

In traditional workflow automation tools, a software developer produces a list of actions to automate a task and interface to the back-end system using internal application programming interfaces (APIs) or dedicated scripting language. In contrast, RPA systems develop the action list by watching the user perform that task in the application's graphical user interface (GUI), and then perform the automation by repeating those tasks directly in the GUI. This can lower the barrier to use of automation in products that might not otherwise feature APIs for this purpose.

RPA tools have strong technical similarities to graphical user interface testing tools. These tools also automate interactions with the GUI, and often do so by repeating a set of demonstration actions performed by a user. RPA tools differ from such systems in that they allow data to be handled in and between multiple applications, for instance, receiving email containing an invoice, extracting the data, and then typing that into a bookkeeping system.

Impact on Employment

According to Harvard Business Review, most operations groups adopting RPA have promised their employees that automation would not result in layoffs. Instead, workers have been redeployed to do more interesting work. One academic study highlighted

that knowledge workers did not feel threatened by automation: they embraced it and viewed the robots as team-mates. The same study highlighted that, rather than resulting in a lower "headcount", the technology was deployed in such a way as to achieve more work and greater productivity with the same number of people.

Conversely, however, some analysts proffer that RPA represents a threat to the business process outsourcing (BPO) industry. The thesis behind this notion is that RPA will enable enterprises to "repatriate" processes from offshore locations into local data centers, with the benefit of this new technology. The effect, if true, will be to create high-value jobs for skilled process designers in onshore locations but to decrease the available opportunity to low skilled workers offshore. On the other hand, this discussion appears to be healthy ground for debate as another academic study was at pains to counter the so-called "myth" that RPA will bring back many jobs from offshore.

Prof. R. S. Derle

LCM

E-Wastage



Electronic waste abbreviated as waste is term used to describe old end of life electronic appliances such as computers, laptops, TV's, radios, refrigerator etc. Which have been discarded by users e-waste comprises of numerous valuable but harmful substances that can causes and adverse effect on human health recycling e waste can be dangerous if not done using suitable techniques.

Electronic industry is the world largest and innovative industry for its kind every year tons of electronic items are shipped over Ocean. However after their uses time they become more complex waste matter which consists of many hazardous as heavy metals, toxic chemicals and non degradable plastics. Many are dumped burnt or exported to recyclers. Most recyclers export the toxic materials such as needed glass circuit boards and mercury lamp usually to China Africa and India. Most of the waste are burned out which generate the smoke and dust particle consist of casino chains and other other hazardous chemicals which causes fever implementations and listens including many respiratory and skin disease According to the data received in 2007

about 70% of e-waste of the world richest China and the rest to Africa and India. Due to cheap labour they have become the world's dumping station of e waste.

How to reduce e-waste:

We all accumulate more e-waste that we can handle and this has become a major problem for the last decade. We should make an effort to reduce the amount of e-waste that is sent to the landfills. E-waste disposal will become a more serious problem with the development of technology. More than 70% of the small electronic goods can be recycled, that can be given a new lease of life – either reprocessed or taken apart to be utilised in new products. Companies that produce electronic devices should focus on e-waste recycling because their products pollute the environment. We all need to find a way to reduce e-waste because we all contribute to global warming and the environmental pollution.

These days, the majority of stores are investing in recycling programs. If want to make a new purchase at a store, ask them if they will take your old camera, TV, laptop or any other electronic goods. This way you will not create clutter in your home and will easily get rid of unwanted items.

If you do not need your electronic equipment, you can donate it to charity. The electronic items you want to donate need to be reusable and in good condition. If you have items that are not worth donating you should let the rubbish removal company handle them. The problem with e-waste recycling is complex. It's caused by a combination of issues – low public awareness of which electronic goods can be recycled and how and a lack of a strong international e-waste recycling infrastructure. If you want to live in a healthier environment you need to educate yourself and start spreading the word that recycling is important.

Mrs. N. D. Athare
TAEJ



Brain Implant Chip Technology

Brain implants, often referred to as neural implants, are technological devices that connect directly to a biological subject's brain – usually

placed on the surface of the brain, or attached to the brain's cortex. A common purpose of modern brain implants and the focus of much current research is establishing a biomedical prosthesis circumventing areas in the brain that have become dysfunctional after a stroke or other head injuries. This includes sensory substitution, e.g., in vision. Other brain implants are used in animal experiments simply to record brain activity for scientific reasons. Some brain implants involve creating interfaces between neural systems and computer chips. This work is part of a wider research field called brain-computer interfaces.

Brain implants electrically stimulate, block or record signals from single neurons or groups of neurons in the brain. The blocking technique is called intra-abdominal vagal blocking. This can only be done where the functional associations of these neurons are approximately known. Because of the complexity of neural processing and the lack of access to action potential related signals using neuro imaging techniques, the application of brain implants has been seriously limited until recent advances in neurophysiology and computer processing power. Much research is also being done on the surface chemistry of neural implants in effort to design products which minimize all negative effects that an active implant can have on the brain, and that the body can have on the function of the implant. Researchers are also exploring a range of delivery systems, such as using veins, to deliver these implants without brain surgery; by leaving the skull sealed shut, patients could receive their neural implants without running as great a risk of seizures, strokes, or permanent neural impairments, all of which can be caused by open-brain surgery.

Levels of brain-chip interfacing

At least three basic levels of brain-chip interfacing are identified on the basis of the dimensional scale of the biological entities involved: neurons, tissue and brain at present, neurons are most frequently interfaced to metal microelectrodes or oxide-insulated electrical microtransducers (e.g. EOSFETs or Electrolyte-Oxide-Semiconductor-Capacitors) to record or stimulate their electrical activity in dissociated cultures. This first-level of interfacing implies that single cells are contacting and signaling to cell-sized microdevices. A recent and original example of such a BCHI was proposed within

the Brain Storm project) where a tight electrical coupling between neurons and chip was achieved through gold micro-nail shaped microelectrodes that were engulfed by neurons through a phagocytosis-like mechanism. Large-scale high-resolution recordings from individual neurons in a network can be obtained, instead, thanks to a chip featuring a large Multi-Transistor-Array (MTA), as demonstrated with neuronal networks “*in vitro*”. A second level of interfacing implements the concept of establishing an interaction with the brain tissue. This is achieved, usually, by placing a tissue slice a several hundred micrometers thick in contact with the chip. We report, as an example, the MTA recording of slices from the rat hippocampus. In these cases, individual microdevices sample the activity of a population of cells rather than of single neurons.

Miss. Shrushti Tejale
Student, SYEJ

Smart Irrigation System



The Smart Irrigation System project is Problem Solving technique, which we developed for farmers, gardeners and plants lover. The main purpose of our project is fulfilling the quality of crop by maintaining the fertility of soil and of course the freshness of products.

Smart irrigation systems can optimize water levels based on things such as soil moisture and weather predictions. This is done with wireless moisture sensors that communicate with the smart irrigation controls and help inform the system whether or not the landscape is in need of water.

Unlike traditional irrigation controllers that operate on a present programmed schedule and timers, smart irrigation controllers monitor weather, soil conditions, evaporation and plant water use to automatically adjust the watering schedule to actual conditions of the site.

Smart irrigation system collects information from sensors and sends predefined user orders to actuators that make the water sprinkler to go off. The data is collected by moisture sensors. A user defines the moisture and the temperature range.

The Smart Irrigation System is an IoT based device which is capable of automating the irrigation process by analysing the moisture of soil and the climate condition (like raining). Also the data of sensors will be displayed in graphical form on BOLT cloud page.

In our project, we used IoT technology. This technology is electronics, electrical, computer related and it is widely used in all over the world. Such as Robots, Self-driving cars. We use some electronic components such as NodeMCU ESP8266, Soil Moisture Sensor Module, Water Pump Module, and Relay Module. In this project the water which is required for a crop is set into the model and it will act accordingly to on off the water to maintain the crop healthy. This all process is very big and studious for that we also using a think speak to monitor the whole process, activity of the crop.

Rain sensors that are triggered by adequate rainfall will send a signal to the irrigation controller to shut off any set timers. As a result, the sprinklers will not waste water on a yard that is already saturated. Some sensors will note the evaporation from their assemblies over several days to keep the sprinklers turned off until watering is truly needed.

Most plant roots cannot stand to be waterlogged. Unregulated sprinkler systems will continue water and this over-watering can lead to root rot and diseased plants from invading pathogens. Using rain sensors prevents plants from becoming waterlogged from both rainfall and sprinkler use combined. Once the soil has dried after the rainfall, the sensor will activate the normal irrigation timer again for daily or weekly watering.

Water is naturally corrosive. Although irrigation systems are designed with rust-resistant properties, constant water flow through the system will shorten its lifespan. Using rain sensors in conjunction with the irrigation system will allow the sprinklers and drip tubes to rest during the rainy season; more rainfall in an area will produce a longer lifespan for the irrigation system because it is not moving water through its assemblies at a constant pace.

I would like to thank Mr. Purushottam Sarda to believe in us and sponsor our project. This project is very important for the aspect of farmers who can easily study the crop and this will make their crop grow fresh and also it will give much profit to the farmers. As we studied in our project, this model can be developing further to add new features in it. To enhance the quality of crop and fulfil the dreams of farmers is always being our motto.

Mr. Yash Navander
Student, TYIF



Nagios

It is a free and open-source computer-software application that monitors systems, networks and infrastructure. Nagios offers monitoring and alerting services for servers, switches,

applications and services. It alerts users when things go wrong and alerts them a second time when the problem has been resolved. It was designed to run on the Linux operating system and can monitor devices running Linux, Windows and Unix operating systems (OSes). Originally called NetSaint and released in 1999, Nagios was developed by Ethan Galstad and subsequently refined by numerous contributors as an open source project. Nagios Enterprises, a company based around the Nagios Core technology, offers multiple products, such as XI, Log Server, Network Analyzer and Fusion.

The need for or reasons to use Nagios monitoring tool is to, firstly to detect all types of network or server issues. Secondly, it helps you to find the root cause of the problem which allows you to get the permanent solution to the problem. Thirdly, it provides a platform for active monitoring of your entire infrastructure and business processes. Also it allows you to monitor and troubleshoot server performance issues. It supports you to plan for infrastructure upgrades before outdated systems create failures. You can maintain the security and availability of the service as well as automatically fix problems in a panic situation.

Nagios is a client-server architecture. Usually, on a network, a Nagios server is running on a host, and plugins are running on all the remote hosts which should be monitored. Nagios software runs periodic checks on critical parameters of application, network and server resources. For example, Nagios can monitor memory usage, disk usage, microprocessor load, the number of currently running processes and log files. Nagios also can monitor services, such as Simple Mail Transfer Protocol (SMTP), Post Office Protocol 3 (POP3), Hypertext Transfer Protocol (HTTP) and other common network protocols. Active checks are initiated by Nagios, while passive checks come from external applications connected to the monitoring tool.

A user can choose to work in the command-line interface (CLI) or select a web-based graphical user interface (GUI) in some versions of Nagios and from third parties. Nagios' dashboard provides an overview of the critical parameters monitored on assets. Based on the parameters and thresholds defined, Nagios can send out alerts if critical levels are reached. These notifications can be sent in different ways, including

email and text messages. An authorization system allows the administrator to restrict access.

Nagios runs both agent-based and agentless configurations. Independent agents are installed on any hardware or software system to collect data that is then reported back to the management server. Agentless monitoring uses existing protocols to emulate an agent. Both approaches can monitor file system usage, OS metrics, service and process states and more.

It is an important tool to be skilled with. As the phase of automation is booming very fast and one must be acquainted with various tools and skillset, out of which Nagios is one of them.

Mr. V. K. Khedkar
HoD IT

Impact of Social Media on Supply Chain Managements Process



Process we know, everyday life in a digital world and its impact on daily Business life. Social media is used to increase creativity and sharing knowledge to all user groups or partners. The Social Media is also used to send & collect information in all

formats like image, video, text, .pdf, audio etc. and collaboration among users by individually or in groups. Everyone probably already use all the biggest social networks media such as what's up, Facebook, Twitter, Instagram, YouTube, LinkedIn, Snap chat etc. As per the data released by e-Marketer at Statista2017(July 2017):Online Statistics Portal is that the market leader social media software application, Facebook was the first social network to surpass 1 billion registered accounts and currently sits at 2.06 billion monthly active users up to 2017. So, the paper defines the capabilities & importance of social media in supply chain management process..

Introduction:

SCM nothing but the management of the flow of goods and services from one place to other & it involves the movement and storage of raw materials, of work-in-process inventory, and of finished goods from point of origin to point of consumption. The marketing department or channels play an important role in SCM. The APICS Dictionary, 13th edition, Supply-chain management has been defined as "the design, planning, execution, control, and monitoring of supply chain activities with the objective of creating net value, building a competitive infrastructure, leveraging worldwide logistics, synchronizing supply with demand and measuring performance globally." SCM Practices also covered the areas of Information

Technology, Industrial Engineering, Operation Management, Logistics and Procurement etc. Social Media are interactive Web 2.0 Internet-based applications. It is computer mediated technique that make easy creation and sharing of information, ideas, career interests and other forms of expression via virtual communities and networks like What's up, Facebook, Twitter, Instagram, YouTube, LinkedIn, Snap chat etc. Social media facilitates collecting information and knowledge from number of sources, which in turn allows sharing of information, knowledge and plans which helps to develop of supply chain relationships and trust among group. So, basically the study is based on secondary data obtained through online articles, journals, annual report, Internet & websites. Now a day's the market places in all countries is highly competitive and it's critical for companies to think of some new innovative ideas to streamline their operations, increase efficiencies, and optimize productivity in order to stay ahead of the market competition.



Fig1: Impact of Social Media on Business

A Vary important aspect of business to achieve greater efficiency is supply chain management and includes a number of vendors, distribution centers, suppliers, buyers,

Mrs. P. R. Gangurde
LEE

New Technique Implementation in Educational



Campus Optimization is defined as a mathematical discipline that concerns the finding of the extreme of numbers i.e. minima or maxima. The Importance of optimization techniques in every Business management process or any types of

organization. This paper is based on the Importance of optimization models. Assignment problem method finds numerous applications in production planning, telecommunication Very Large Scale Integration design, economic etc. Now, this paper defines the importance of optimization models in Management Institutes for staff-class allocation by using Hungarian Assignment Method. The research is used to find the optimal assignment schedule of staff-class allocation for A.Y.2017-18 in Management Institute & that will helps for Class Coordination & Teaching Learning Processes thereby improving the educational quality.

Introduction:

Optimization Technique is the act of achieving the best possible result under given circumstances. The Optimization Technique is used for management decision making process. The main objective of all such decisions is either to minimize effort or to maximize benefit. The benefit can be usually expressed as a function of certain design variables i.e. (x, y). Hence, optimization is the process of finding the conditions that give the maximum or the minimum value of a function. In optimization Technique a number of methods have been developed for solving different types of problems because no single method available for solving all optimization problems efficiently. Optimization technique process is classifying our optimization model, since algorithms for solving optimization problems are tailored to a particular type of problem i.e. Linear Programming Problem, Assignment Models, Transportation Models, Markov Chains & Simulation Techniques, Decision Theory, Game Theory, Queuing Theory & CPM & PERT etc. Assignment is a typical optimization technique practically useful in a situation where a certain number of task are required to be assigned to an equal number of facilities on a one to one basis so that the resultant effectiveness is optimized. The Assignment problem is one of the most useful optimization model methods to find the optimal solution. Every assignment problem has a rows & columns and is called as matrix or There are many situations where the assignment of peoples, machines and so on. The assignment of workers to job for manufacturing industry, Salesmen to different sales areas for marketing & Teachers to different subject/class allocations for education system are typical examples of these.



Fig.1: Optimization Technique Implementation In Educational Campus

The problem now is how the management head of department should assign his staff to the class on one to one basis so as to maximize the educational quality of Management Institute. If management head of department decide to apply the Hungarian method (Optimization Model) as a criterion for judging who should handled each Class.

. The used of optimization techniques in educational campus is improving the result of teachers effectiveness & learning quality. It is used to generate information on student development with good coordination. The assignment method will find optimum solution in less time & maximize the total effectiveness of teaching-learning process & learning Quality in management institute.

Himanshu Mahajan
Student, TYEE

Effects of COVID-19 Pandemic in Daily Life:



COVID-19 (Coronavirus) has affected day to day life and is slowing down the global economy. This pandemic has affected thousands of peoples, who are either sick or are being killed due to the spread of this disease. The most common symptoms of this viral infection are fever, cold, cough,

bone pain and breathing problems, and ultimately leading to pneumonia. This, being a new viral disease affecting humans for the first time, vaccines are not yet available. Thus, the emphasis is on taking extensive precautions such as extensive hygiene protocol (e.g., regularly washing of hands, avoidance of face to face interaction etc.), social distancing, and wearing of masks, and so on. This virus is spreading exponentially region wise. Countries are banning gatherings of people to the spread and break the exponential curve.COVID-19 has rapidly

affected our day to day life, businesses, disrupted the world trade and movements. Identification of the disease at an early stage is vital to control the spread of the virus because it very rapidly spreads from person to person.Presently the impacts of COVID-19 in daily life are extensive and have far reaching consequences.



Daily Life Wear Mask

Categories:-

Healthcare:-

- Challenges in the diagnosis, quarantine and treatment of suspected or confirmed cases
- Patients with other disease and health problems are getting neglected
- Overload on doctors and other healthcare professionals, who are at a very high risk
- Overloading of medical shops
 - Requirement for high protection
 - Disruption of medical supply chain

Economic:-

- Slowing of the manufacturing of essential goods
- Disrupt the supply chain of products
- Losses in national and international business
- Poor cash flow in the market

Sig
nificant
slowing
down in
the
revenue
growth

Social:-

- Service sector is not being able to provide their proper service
- Cancellation or postponement of large-scale sports and tournaments
- Avoiding the national and international travelling and cancellation of services



- Disruption of celebration of cultural, religious and festive events

allows for effective communication and service between users, applications, services, devices and so forth.



- Closure of places for entertainment such as movie and play theatres, sports clubs, gymnasiums, swimming pools, and so on.
- Postponement of examinations

This COVID-19 has affected the sources of supply and effects the global. Healthcare professional face lot of difficulties in maintaining the quality of healthcare in these days.

**Mrs. K. B. Holkar
TASH**

Network infrastructure comprises hardware and software, systems and devices, and it enables computing and communication between users, services, applications and processes. Anything involved in the network, from servers to wireless routers, comes together to make up a system's network infrastructure. Network infrastructure is typically part of the IT infrastructure found in most enterprise IT environments. The entire network infrastructure is interconnected, and can be used for internal communications, external communications or both. A typical network infrastructure includes:

- **Networking Hardware:**

- Routers
- Switches
- LAN cards
- Wireless routers
- Cables

- **Networking Software:**

- Network operations and management
- Operating systems
- Firewall
- Network security applications

NETWORK INFRASTRUCTURE



Your network is at the heart of your business. But in order for it to be able to function properly, it needs the right support - in the form of effective network infrastructure. What is network infrastructure exactly?

Network infrastructure refers to all of the resources of a network that make network or internet connectivity, management, business operations and communication possible. Network infrastructure comprises hardware and software, systems and devices, and it enables computing and communication between users, services, applications and processes. Anything involved in the network, from servers to wireless routers, comes together to make up a system's network infrastructure. Network infrastructure

- **Network Services:**

- T-1 Line
- DSL
- Satellite
- Wireless protocols
- IP addressing

That networking is an important activity that plays a central role for companies' success is common sense in today's highly changing environment.

**Atharva Vibhandik
Student, FYCM**

Online campus interview at RSMP

Pandemic situation was not a barrier for the recruitment process

LOKMAT NEWS NETWORK NASHIK, JUN 1

An Online pool campus drive was successfully organised at the Rajarshi Shahu Maharaj Polytechnic, Nashik. Students from various streams diploma college participated in the drive.

An online interview was conducted for students in which Hishikesh Prakash Kadlag, a student of Rajarshi Shahu Maharaj Polytechnic, Nashik, was selected by Bajaj Auto Pvt. Ltd., Walunj, Aurangabad. The selected student is studying in the third year of Diploma in Mechanical Engineering.



Engineering. Pandemic situation was not a barrier for them to provide students with an opportunity to fly high in life, as their students managed to clear the placement interviews with top companies.

MVP general secretary Nilamatai Pawar president

Dr. Tushar Shevale, MVP's Rajarshi Shahu Maharaj Polytechnic college local management committee chairman, Manikrao Boraste, principal, Dr. D. Uphade and other teachers guided the students for the online interviews and also congratulated the selected students.

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Lokmat Times dt. 2.6.2021 Page No. 02

आपलं महानगर

ऋषिकेश कडलग याची बजाज कंपनीत निवड

नाशिक : बाजाज विद्या प्रसाक मयाच निषय सवेच्या राजर्षी शाहू महाराज पॉलिटेक्निक मगाडिहलकलत कलिकत प्रकाश कडलग या विद्यार्थ्याची बजाज ऑटो प्रकलत लिमिटेड वाळूज अरंगबाद येथील कंपनीमध्ये निवड झालेला आहे.

ऑनलाईन पद्धतीने निवड झालेला विद्यार्थी हा डिप्लोमा मेकेनिकल इंजिनीअरिंगच्या तृतीय वर्षामध्ये शिक्षण घेत आहे. कोविड - १९ या महामारीचा कळान अनेकदा मविप्र पॉलिटेक्निक नेतीच



प्रथम खत आहे. या ऑनलाईन कॅम्स प्रवेशसाठी प्रचार्य डॉ. डी. पी. डबाडे, विभाग प्रमुख प्रा. बी. एस. तेलमुळ, प्रा. योगेश कोटीकर आणि सर्व शिक्षकांचे मार्गदर्शन लाभले.

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Published on 03 Jun-2021

पॉलिटेक्निकच्या विद्यार्थ्याला बजाज ऑटोकडून प्लेसमेंट



नाशिक | मविप्र समाज संचलित राजर्षी शाहू महाराज पॉलिटेक्निकमधील ऋषिकेश प्रकाश कडलग या विद्यार्थ्याची बजाज ऑटो प्रायव्हेट लिमिटेड, वाळूज, औरंगाबाद येथील कंपनीमध्ये निवड करण्यात आली. ऑनलाईन पद्धतीने निवड झालेला हा विद्यार्थी डिप्लोमा मेकेनिकल इंजिनीअरिंगच्या तृतीय वर्षामध्ये शिक्षण घेत आहे.

Divya Marathi Dt.3.6.2021 Page No.4

शाहू महाराज पॉलिटेक्निकमध्ये शिवराज्याभिषेक दिन साजरा

नाशिक : पुढारी नृणतेव्या

शिवराज्याभिषेक दिन साजरा राजर्षी शाहू महाराज मविप्र पॉलिटेक्निकमध्ये साजरा करण्यात आला. यावेळी राजर्षी शाहू महाराज यांच्या प्रतिमास अर्घ्य अर्पण करून अभिषेक करण्यात आला. यावेळी उपस्थित होते, डॉ. डी. पी. डबाडे, विभाग प्रमुख प्रा. बी. एस. तेलमुळ, प्रा. योगेश कोटीकर आणि सर्व शिक्षकांचे मार्गदर्शन लाभले.



नाशिक : शिवराज्याभिषेक दिन साजरा

डॉ. डी. पी. डबाडे यांनी शिवराज्याभिषेक केला.

यावेळी उपस्थित होते, डॉ. डी. पी. डबाडे, विभाग प्रमुख प्रा. बी. एस. तेलमुळ, प्रा. योगेश कोटीकर आणि सर्व शिक्षकांचे मार्गदर्शन लाभले.

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newspaper.pudhari.co.in

Pudhari Dt.9.7.2021 Page No.7

आपलं महानगर

मविप्र तंत्रनिकेतनमध्ये राष्ट्रीय परिषद संपन्न

नाशिक : मविप्र समाज संचलित राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये आय.एस.टी.ई.नवी दिल्ली, ईशरे आणि सी.एस. आय. स्थानिक चेंबर यांच्या संयुक्त विद्यमाने बुधवारी (दि.९) अभियांत्रिकी विद्यार्थ्यांसाठी तंत्रज्ञानातील उदयोन्मुख ट्रेंड या विषयावर एकदिवसीय ऑनलाईन परिषद झाली. मविप्र समाज संस्थेच्या सरचिटणीस नितीमा पवार यांच्या मार्गदर्शनाखाली राष्ट्रीय परिषद पार पडली. यात मेकेनिकलचे अथर्व देशपांडे गट प्रथम क्रमांक, राकेश ठाकरे गट व पार्थ घुबे गट द्वितीय, नीरज चोरडिया गट तृतीय तर संगणक व माहिती तंत्रज्ञान विभागातून विरेंद्र धनराय गट प्रथम क्रमांक, समुद्धी अहिर गट द्वितीय, मानसी पाटील गट तृतीय, इलेक्ट्रॉनिक्स आणि दूरसंचार विभागातून आदित्य जगताप गट प्रथम क्रमांक, सचिता मोरे गट द्वितीय, सुरज मांडवळे गट तृतीय आणि इलेक्ट्रिकल इंजिनीअरिंग विभागातून साक्षी पाटील गट प्रथम क्रमांक, साक्षी देवरे गट द्वितीय, सात्विक बेरागी गट व सिंधीकर सिदेश गटाला तृतीय क्रमांकाचे परितोषिक मिळवले.

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Aapal Mahanagar Dt. 10.6.2021 Page No.4

National level conference at RSMP

Theme: Emerging trends in Engineering and Technology

LOKMAT NEWS NETWORK NASHIK, JUN 10

Maratha Vidya Prasarak Samaj's Rajarshi Shahu Maharaj Polytechnic

department of Information Technology in association with ISIRAI and CSI Nashik chapter organised online national level conference on 'Emerging trends in Engineering and Technology' on Wednesday, June 9 for final year diploma students. It was a one day national level conference organised with the aim to bring students together so that they can exchange and share their new ideas, research and experience about all aspects of recent trends in engineering and technology. The conference provided an opportunity to students to learn in detail about a core subject which is a part of curriculum and develop effective presentation skills. The conference got an overwhelming response. In all 225 participants submitted research papers out of which 110 papers were shortlisted. The event was held in four groups: mechanical, computer and information technology, electronics and telecommunication engineering and electrical engineering. From mechanical engineering category, Atharva Deshpande and his group won first prize. From computer and information technology category, Virendra Dhanrao and his group won the first prize. From electronics and telecommunication engineering category, Aditya Jagtap and his group won

the first prize. From electrical engineering category, Sakshi Patil and her group won the first prize. The research paper of winners will be published in IST Journal. MVP general secretary Nilamatai Pawar inaugurated the event, president Dr. Tushar Shevale, MVP's Rajarshi Shahu Maharaj Polytechnic college local management committee chairman, Manikrao Boraste, principal Dr. D. Uphade and other teachers guided the students also congratulated the teachers for organising the conference. All teaching and non-teaching staff of RSM polytechnic took enormous efforts to make the event successful.

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Lokmat Times Dt.11.6.2021 Page No. 02

राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये राष्ट्रीय परिषदेला उत्स्फूर्त प्रतिसाद

सकाळ पुराणेला

नाशिक, ता. ११ : राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये राष्ट्रीय परिषदेला उत्स्फूर्त प्रतिसाद देण्यात आला. यावेळी राज्य सरकारचे मुख्यमंत्री देवेंद्र फडणवीस यांनी राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये राष्ट्रीय परिषदेला उत्स्फूर्त प्रतिसाद देण्यात आला. यावेळी राज्य सरकारचे मुख्यमंत्री देवेंद्र फडणवीस यांनी राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये राष्ट्रीय परिषदेला उत्स्फूर्त प्रतिसाद देण्यात आला.

राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये राष्ट्रीय परिषदेला उत्स्फूर्त प्रतिसाद देण्यात आला. यावेळी राज्य सरकारचे मुख्यमंत्री देवेंद्र फडणवीस यांनी राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये राष्ट्रीय परिषदेला उत्स्फूर्त प्रतिसाद देण्यात आला. यावेळी राज्य सरकारचे मुख्यमंत्री देवेंद्र फडणवीस यांनी राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये राष्ट्रीय परिषदेला उत्स्फूर्त प्रतिसाद देण्यात आला.

राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये राष्ट्रीय परिषदेला उत्स्फूर्त प्रतिसाद देण्यात आला. यावेळी राज्य सरकारचे मुख्यमंत्री देवेंद्र फडणवीस यांनी राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये राष्ट्रीय परिषदेला उत्स्फूर्त प्रतिसाद देण्यात आला. यावेळी राज्य सरकारचे मुख्यमंत्री देवेंद्र फडणवीस यांनी राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये राष्ट्रीय परिषदेला उत्स्फूर्त प्रतिसाद देण्यात आला.

राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये राष्ट्रीय परिषदेला उत्स्फूर्त प्रतिसाद देण्यात आला. यावेळी राज्य सरकारचे मुख्यमंत्री देवेंद्र फडणवीस यांनी राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये राष्ट्रीय परिषदेला उत्स्फूर्त प्रतिसाद देण्यात आला. यावेळी राज्य सरकारचे मुख्यमंत्री देवेंद्र फडणवीस यांनी राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये राष्ट्रीय परिषदेला उत्स्फूर्त प्रतिसाद देण्यात आला.

सकाळ

‘मविप्र’ च्या विद्यार्थ्यांना ब्लू-क्रॉस शिष्यवृत्ती

नाशिक, ता. १६ : मविप्र समाज संचलित राजर्षी शाहू महाराज तंत्रनिकेतनमधील गरजू विद्यार्थ्यांना ब्लू-क्रॉस कंपनीतर्फे शिष्यवृत्ती वाटप केली. ऑनलाइन कार्यक्रमात संस्थेच्या सरचिटणीस नीलिमाताई पवार यांच्या हस्ते शिष्यवृत्ती प्रदान केली. श्रीमती. पवार यांनी ब्लू-क्रॉस कंपनी व एमएसबीटीई विभागामार्फत शिष्यवृत्ती मिळालेल्या विद्यार्थ्यांचे अभिनंदन केले. शिक्षणाबरोबरच विद्यार्थ्यांनी आपली प्रगती साधावी, सदैव निरोगी राहण्यासाठी प्रयत्न करण्याचे आवाहन केले. महाराष्ट्र राज्य तंत्रशिक्षण मंडळाच्या विभागीय कार्यालयाचे उपसचिव अक्षय जोशी उपस्थित होते. महाविद्यालयाचे प्राचार्य डॉ. डी. बी. उफाडे यांनी विद्यार्थ्यांना उपलब्ध योजनांची माहिती दिली.

Nashik, Nashik-Today
17/06/2021 Page No. 2

Sakal 17.06.2021 Page No.2

अभियांत्रिकीच्या ट्रेंडबाबत मार्गदर्शन

नाशिक : मविप्र समाज संचलित राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये आयएसटीई, ईशरे आणि सीएसआय स्थानिक चॅप्टर यांच्यातर्फे ‘अभियांत्रिकी व तंत्रज्ञानातील उदयोन्मुख ट्रेंड’ या विषयावर ऑनलाइन राष्ट्रीय परिसंवाद झाला. यात देशभरातील विद्यार्थ्यांनी सहभाग घेत लेखांचे वाचन केले. ‘मविप्र’च्या सरचिटणीस नीलिमा पवार यांच्या हस्ते उद्घाटन झाले. प्रमुख अतिथी म्हणून विश्वकर्मा विद्यापीठाचे कुलगुरू डॉ. सिद्धार्थ जबडे उपस्थित होते. त्यांनी इंटरनेटचे अल प्रॉपर्टी अँड इंडस्ट्रियल इनोव्हेशन्स आणि पेटंट डेटाबेस याबद्दल मार्गदर्शन केले. मेकॅनिकल इंजिनीअरिंग, संगणक व माहिती तंत्रज्ञान, इलेक्ट्रॉनिक्स आणि दूरसंचार व इलेक्ट्रिकल इंजिनीअरिंग अशा चार गटांत नियोजन झाले होते.

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divyamarathi.com

ब्ल्यू क्रॉसकडून पॉलिटेक्निकच्या गरजू विद्यार्थ्यांना शिष्यवृत्ती

प्रतिनिधी | नाशिक

तंत्रशिक्षण घेणाऱ्या विद्यार्थ्यांना प्रोत्साहन मिळावे तसेच शिक्षणात खंड पडू नये या उद्देशाने ब्ल्यू क्रॉस कंपनीकडून वेगवेगळ्या महाविद्यालयांतील गरजू विद्यार्थ्यांना शिष्यवृत्तीच्या माध्यमातून मदत केली जाते. ब्ल्यू क्रॉस कंपनीकडून राजर्षी शाहू महाराज पॉलिटेक्निकमधील गरजू विद्यार्थ्यांना नुकतेच शिष्यवृत्तीचे वाटप करण्यात आले.

मविप्रसमाज संस्थासंचलितराजर्षी शाहू महाराज पॉलिटेक्निकमधील गरजू विद्यार्थ्यांना ब्ल्यू क्रॉस कंपनीतर्फे देण्यात आलेल्या शिष्यवृत्तीचे वाटप मविप्र संस्थेच्या सरचिटणीस नीलिमा पवार यांच्या हस्ते ऑनलाइन पद्धतीने करण्यात आले. ब्ल्यू क्रॉस कंपनी व एमएसबीटीई विभागामार्फत शिष्यवृत्ती मिळालेल्या विद्यार्थ्यांना

मार्गदर्शन करून शिक्षणाबरोबरच विद्यार्थ्यांनी आपली प्रगती साधली पाहिजे व सदैव निरोगी राहण्यासाठी प्रयत्न केले पाहिजे, असे प्रतिपादन नीलिमा पवार यांनी केले. महाराष्ट्र राज्य तंत्रशिक्षण मंडळाच्या विभागीय कार्यालयाचे उपसचिव अक्षय जोशी उपस्थित होते. महाविद्यालयाचे प्राचार्य डॉ. डी. बी. उफाडे यांनी विद्यार्थ्यांना अनेक प्रकारच्या शिष्यवृत्ती योजनांचा लाभ मिळवून देण्यासाठी नेहमी प्रयत्न करत असल्याचे सांगून शिष्यवृत्ती मिळालेल्या विद्यार्थ्यांचे अभिनंदन केले. यावेळी सर्व विभागांचे प्रमुख, शिक्षक व शिक्षकेतर कर्मचारी यावेळी उपस्थित होते. संस्थेचे अध्यक्ष डॉ. तुषार शेवाळे, सभापती माणिकराव बोरसे, चिटणीस डॉ. सुनील दिक्कले, उपसभापती राधोना अहिरे, शिक्षणाधिकारी डॉ. एन. एस. पाटील यांनी विद्यार्थ्यांना मार्गदर्शन केले.

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on the behalf of
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