RSM POLY NEWSLETTER – FEB 2020

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 105 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 softwares. 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, Electrical Engineering, Electronics and Telecommunication Engineering and Information Technology.

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.

MVP RSM Polytechnic

1. MVPS's RSM Polytechnic's Annual Day and Prize Distribution: Spark 2020 (1st Feb 2020)

Welcome of Chief Guest
Hon. Laxman Mahadik Sir

Introductory Speech of
Hon. Principal Dr. D. B. Uphade Sir

Guidance speech of Chief Guest
Hon. Laxman Mahadik Sir

Felicitation of Chess Winner

Guidance speech of
Hon. Sirchitnis Nileematai Pawar

Felicitation of Kabaddi Winner

Glimpses of inauguration of Annual Day and Prize distribution

MVPS's Rajarshi Shahu Maharaj Polytechnic was conducted Annual Day and Prize distribution under SPARK 2020. Glimpses of inauguration of Annual Day and Prize distribution.

2. MSBTE Orientation Program on Case Study Based Teaching-Learning Process and Performance Based Assessment (15th Feb 2020)

MVPS's Rajarshi Shahu Maharaj Polytechnic was conducted MSBTE Live Broadcasting Program on "Case Study Based Teaching-Learning Process and Performance Based Assessment" on 15th Feb 2020. This program was coordinated by Prof. S. V. Sarode.

3. मराठी राजभाषा दिन उत्साहात साजरा (27th Feb 2020)

MVPS's Rajarshi Shahu Maharaj Polytechnic was celebrated मराठी राजभाषा दिन. Organized by Science and Humanities Department. Dr. D. P. Pawar, Head of Dept., KTHM College was the chief Guest for this program.

4. Science Day (28th Feb 2020)

MVPS's Rajarshi Shahu Maharaj Polytechnic was celebrated Science Day on the occasion of the discovery of the Raman Effect by Indian physicist Sir C. V. Raman.

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Mechanical Engineering Department			Computer Technology Department		
Sr. No.	**Activities**	**Date(s)**	**Sr. No.**	**Activities**	**Date(s)**
1.	Skill Development Program	20th Feb 2020	1.	Guest Lecture on Microprocessor	4th Feb 2020
2.	Industrial Visit to Om Shree Sai Engineers Nashik.	25th Feb 2020	2.	Third prize in Poster Presentation Competition	18th Feb 2020
3.	Guest Lecture on Personality Development	26th Feb 2020	3.	Skill Development Program	22th Feb 2020
4.	Industrial Visit at Seva Automotive, Nashik.	26th Feb 2020	4.	Workshop on Mobile Application Development (Android)	27th to 29th Feb 2020
			5.	Industrial Visit to GMRT, Khodad.	29th Feb 2020

Electronics & Telecomm Department			Electrical Engineering Department		
1.	Guest Lecture on EDP	6th Feb 2020	1.	Industrial Visit to Kadwa Sugar Factory, Rajaramnagar	10th Feb 2020
2.	Winner in Circuit Building Competition	14th Feb 2020	2.	Industrial Visit to 33/11 KV Substation Varkheda	10th Feb 2020
3.	Second Prize in Electra Circuit Competition	14th Feb 2020	3.	Industrial Visit to Mahindra and Mahindra Ltd., Nashik	11th Feb 2020
4.	Industrial Visit to GMRT, Khodad	28th Feb 2020	4.	Skill Development Program	20th Feb 2020

Information Technology Department					
1.	Skill Development Program	22th Feb 2020			
2.	Workshop on Mobile Application Development (Android)	27th Feb to 29th Feb 2020			

Department of Mechanical Engg.

1. Workshops/Seminars/FDPs/IVs

- **Skill Development Program (20th Feb 2020)**

Skill Development Program was organized for Mechanical Engineering Students on Two Wheeler Maintenance, to know the basics of the two wheeler servicing and its maintenance. This program was co-ordinated by Prof. Y. M. Halde and Prof. B. S. Deshmukh. Demonstration was given by Mr. N. A. Pawar and Mr. Y. B. Kshirsagar to develop hands-on skills.

- **Industrial Visit at Om Shree Sai Engineers Nashik (25th Feb 2020)**

An industrial visit was organized for Third year students at Om Shree Sai Engineers, Nashik by Prof. B. S. Deshmukh and Prof. C. P. Gaikwad of Mechanical Engineering Department.

- **Guest Lecture on Personality Development. (26th Feb 2020)**

Guest Lecture was organized on Personality Development for Second year and Third year by Prof. M. S. Gaidhani of Mechanical Engg. Department. It was delivered by Mr. Saurabh Ratnaparkhi (Workshop Superintendent, MSRTC. Sinnar).

- **Industrial Visit at Seva Automotive, Nashik. (26th Feb 2020)**

An industrial visit was organized for Third year students at Om Shree Sai Engineers, Nashik by Prof. B. S. Deshmukh and Prof. C. P. Gaikwad of Mechanical Engineering Department.

Department of Computer Technology

1. Workshops/Seminars/FDPs/IVs

- **Guest Lecture on Microprocessor (4th Feb 2020)**

Guest Lecture was organized on Microprocessor for Second year students by Prof. R. S. Derle of CM Department. It was delivered by Mrs. Jaya Suryawanshi (Asst. Professor, MVPS's KBTCOE, Nashik).

- **Skill Development Program (20th Feb 2020)**

Skill Development Program was organized for Computer Engineering Students on Computer Maintenance and Installing OS, to know the basics of Computer Hardware and its maintenance. This program was co-ordinated by Prof. P. D. Boraste. Demonstration was given by Mrs. V. K. Bhamare and Mrs. J. P. Patil to develop hands-on skills.

- **Congratulations to Second Runner-Up of Poster Presentation Competition (18th Feb 2020)**

Congratulations to Miss Purva Patil, students of MVPS's Rajarshi Shahu Maharaj Polytechnic CM Department for WINNING the THIRD PRIZE in 'Poster Presentation Competition' with Cash Prize of Rs. 700/-.

- **Workshop on Mobile Application Development – Android (27th Feb 2020 to 29th Feb 2020)**

Three Day Workshop was organized on Mobile Application Development–Android for Third year students by Prof. S. V. Sarode of CM Department. It was delivered by Mr. Tushar Rajput And Mr. Kiran Patil (Ezacus Technology Pvt. Ltd., Nashik).

- **Industrial Visit to GMRT, Khodad. (29th Feb 2020)**

An industrial visit was organized for Second Year students at GMRT, Khodad by Prof. R. S. Derle and Prof. P. N. Patil of Computer Technology Department.

Department of Electrical Engg.

1. Workshops/Seminars/FDPs/IVs

- **Industrial Visit to Kadwa Sugar Factory, Rajaramnagar (10th Feb 2020)**

An industrial visit was organized for Second year students at Kadwa Sugar Factory, Rajaramnagar by Prof. A. S. Parkhe and Prof. S. S. Aher of Electrical Engineering Department.

- **Industrial Visit to 33/11 KV Substation Varkheda (10th Feb 2020)**

An industrial visit was organized for Second year students at 33/11 KV Substation Varkheda by Prof. P. A. Shinde and Prof. S. S. Aher of Electrical Engineering Department.

- **Industrial Visit to Mahindra and Mahindra Ltd., Nashik (11th Feb 2020)**

An industrial visit was organized for Third year students at Mahindra and Mahindra Ltd., Nashik by Prof. A. S. Parkhe and Prof. S. S. Aher of Electrical Engineering Department.

- **Skill Development Program (20th Feb 2020)**

MVPS's Rajarshi Shahu Maharaj Polytechnic conducted Skill Development Program Switch Board Wiring for First Year Information Technology Students, to know the basics of the Switch Board Wiring. This program was co-ordinated by Prof. A. S. Parkhe. Demonstration was given by Mr. R. E. Ahire to develop hands-on skills.

Department of E & TC Engineering

1. Workshops/Seminars/FDPs/IVs

- **Guest Lecture on Entrepreneurship Development (6th Feb 2020)**

Guest Lecture was organized on Entrepreneurship Development for Third year students by Prof. S. A. Suryawanshi of E & TC Department. It was delivered by Mr. Parag Gawai & Mr. Bhaudip Shahare (Project Officer, MCED).

- **Congratulations to Winner of Circuit Building Competition (14th Feb 2020)**

Congratulations to Master Mayur Sonawane and Master Atul Paikrao, students of MVPS's Rajarshi Shahu Maharaj Polytechnic E & TC Department for WINNING the FIRST PRIZE in 'Circuit building Competition' with Cash Prize of Rs. 1,000/-.

- **Congratulations to Runner-up of Circuit Building Competition (14th Feb 2020)**

Congratulations to Master Mayur Sonawane and Master Pradip Dhage, students of MVPS's Rajarshi Shahu Maharaj Polytechnic E & TC for WINNING the SECOND PRIZE in Electra

Circuit Competition with cash Prize of Rs. 1,000/-.

- **Industrial Visit to GMRT, Khodad. (28th Feb 2020)**

An industrial visit was organized for Second Year and Third Year students at GMRT, Khodad by Prof. S. N. Shelke and Prof. S. A. Surayawanshi of E&TC Engineering Department.

Department of Info. Technology

1. Workshops/Seminars/FDPs/IVs

- **Skill Development Program (20th Feb 2020)**

MVPS's Rajarshi Shahu Maharaj Polytechnic conducted Skill Development Program on Tonner Refilling for Information Technology Students, to know the basics of the Tonner Refilling and Servicing. This program was co-ordinated by Prof. V. K. Kedkar and Prof. S. S. Rajole. Demonstration was given by Mrs. R. V. Shinde and Mrs. S. U. Shelke to develop hands-on skills.

- **Workshop on Mobile Application Development – Android (27th to 29th Feb 2020)**

Three Days Workshop was organized on Mobile Application Development–Android for Third year students by Prof. A. P. Patil of IF Department. It was delivered by Mr. Tushar Rajput And Mr. Kiran Patil (Ezacus Technology Pvt. Ltd., Nashik).

Trending Technologies

The Li-Fi

The Li-Fi (Light Fidelity) innovation was proposed by German Scientist namely Harald Haas. The fundamental capacity of this innovation is to transmit the information by the means of light. This technology is useful for high speed data communication in restricted region, and it offers numerous advantages over Wi-Fi technology such as high bandwidth, ease of use, efficiency and safety. These frameworks can impart from street lights to auto-directed cars using their headlights. As the light speed is superior thus the information correspondence is also faster in the existing system. Besides, this innovation can be executed for speedy data access for the laptops, and gadgets that will be transmitted during the beam of light in the room. As far as its end use, the innovation of Li-Fi is just like Wi-Fi – the key difference is that the Wi-Fi utilizes Radio Frequencies and the Li-Fi uses Light to transmit the information. For acquiring better speed, effectiveness, data transmission, Li-Fi innovation has developed. The data transmission in this technology can be done using light because the light intensity changes quicker than a human eye for capturing. The scope of information transmission is Li-Fi is multiple times greater than the Wi-Fi. Li-Fi is VLC (visible light communication) system. It utilizes a photo detector (photodiode) to identify approaching signals and interpret the information into digital form. The LED light uses a quick substituting stream of dim and bright signals that are invisible to the human eye. In the first place, the information is nourished to the LED bulb. The bulb works on signal handling innovation so it is equipped for sending information in an installed position at high speed rate to the Detector in this case which is the photodiode. The photo diode then converts the incoming beam of light into electrical signals. The electrical signs are then changed over into stream able information.

Master. Yashodhan Pagar

SYCM

5G to be a Major Gamechanger for Edu-tech Platforms

The new speed features better coverage area, the high data rate at the edge of the cell, low battery consumption, multiple data transfer rate and many other characteristics. 5G is the answer to our technical dreams, making possible billions of new, secure and instantaneous connections. It will leave no industry untouched – autos, healthcare, manufacturing and distribution, emergency service providers, just to name a few. Let us get a rough idea about how 5G will completely transform the way we live.

IoT points to all the machines and devices connected through the internet. The growth of IoT is likely imminent as 5G comes online. As per a DBS Group Research, around 125 billion devices will be linked by 2030, up from 11 billion last year.

The Internet of Things (IoT) is already gaining pace but the introduction of 5G will provide the infrastructure to connect billions of more devices to the internet. The increasing number of IoT devices in the home provides a big opportunity for hardware manufacturers but the real potential lies in industrial IoT.

Miss. Mansi Patil
SYCM

Dr. D. B. Uphade
Principal

Happy
National Science Day
and
मराठी राजभाषा दिन
to All Readers
on the behalf of
Principal, Faculty, Supporting Staff and Students.