

Maratha Vidya Prasarak Samaj's

# Rajarshi Shahu Maharaj Polytechnic, Nashik

Udoji Maratha Boarding Campus, Near KBTCOE, Gangapur Road, Nashik-13

Affiliated to MSBTE Mumbai, Approved by AICTE New Delhi, DTE Mumbai and Government of Maharashtra, Mumbai

# A Micro Project Booklet

Academic Year 2019-20



## **DEPARTMENTS**

**Mechanical Engineering** 

**Computer Technology** 

**Electronics and Telecommunication Engineering** 

**Information Technology** 

**Electrical Engineering** 

#### 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 "Wellbeing 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.

## ABOUT COMPUTER TECHNOLOGY DEPARTMENT

Computer Technology students get all the knowledge about computer networking, Microprocessor & micro controller system, website development and software testing. Computer engineers have option of moving into hardware or software positions, or blending the two. Typical industries hiring computer engineers includes financial services, computer manufacturers, chemical companies' defense, and construction, manufacturing and consumer goods. Computer engineers are equally successful in large multinational firms and small startups

#### VISION AND MISSION

## **VISION**

To create, share and apply knowledge of computer science for transforming students into successful and efficient engineers who will contribute to the benefit of humanity.

## **MISSION**

- M1: To provide strong theoretical foundation complemented with extensive practical training in the field of science and engineering technology that leads to the acquisition of knowledge.
- M2: To impart necessary support and tools for software development to achieve excellence in the field of computer technology.
- M3: To enhance curricular and extra-curricular knowledge of students by organizing expert lecture and industrial visits.
- M4: To promote Application based activities in the emerging trends of Computer technology In association with industry.
- M5: To build necessary Engineering skills required for Society and industrial Environment through career development training

# **INDEX**

Sr	PROJECT	PAGE	
	TITLE		
Emerging Trends in Computer and			
Information Technology			
1	Study Case Of Fake Profiling	2	
2	Artificial Intelligence	3	
3	Case Study of Aaron Caffrey	4	
4	Ethical Hacking	5	
5	Credit Card Fraud	6	
6	Trojan Attack	7	
7	Computer Forensics	8	
8	Case Study of Digital Forensic, Digital Evidence And Hacking	9	
9	IoT Based Humidity and Temperature Monitoring	10	
10	A Study On The Cyber-Crime And Cyber Criminals	11	
11	Iot Based Whether Monitoring System	12	
12	Study Credit Card Fraud As An Identity Thread	13	
13	Case Study of Michael Fiola	14	
Entrepreneurship Development			
1	Choose any advertisement and analysis its good and bad points	16	
2	What Is Digital Marketing?	17	
3	Opening saving account and building capital	18	
4	Decide Any product and Analysis its Good and Bad Feature	19	
5	Select any product &prepare its cost sheet	20	
6	Electric Vehicles	21	
7	MOBILE its good and bad features	22	
8	Select any product & prepare its cost sheet	23	
9	Business Startup Plan	24	
Web Based Application Development Using PHP			
1	Employee Management System	25	
2	Quiz Website Using PHP And Mysql	26	
3	Vendor Application Development	27	
4	Library Management System	28	
5	Sending And Receiving Plain Text E-Mail Message	29	
6	World Of Automobiles	30	
7	Hostel Management System	31	
8	Home Service Management System	32	
9	Photography Website	33	
10	Hostel Management	35	
11	Dictionary	36	
Programming with Python			
1	Tic Tac Toe Game	38	
2	Tic Tac Toe Game	39	
3	Photography Website	40	
4	Student Management System using List	41	
5	English Word Dictionary	42	
6	Café Management System	43	
7	Quiz Management System	44	
8	World of Automobiles	45	
9	Restaurant Billing Management System	46	

10	Library Management System	47
11	Develop A Program to Create Built In Module	48
12	Dictionary	49
13	Simple Calculator	50
Mobile Application Development		
1	Age Calculator Android App.	52
2	Quiz App.	53
3	Android Unit Converter.	54
4	Online Mess App.	55
5	Simple Calculator.	56
6	Student Notification System.	57
7	Calculator Application.	58
8	Speed Cart (An Shopping App).	59
9	IoT Based Humidity and Temperature Monitoring.	60
10	Tic Tac Toe.	61
11	Dictionary For English Literature.	62
12	Develop a Program for Sharing a captures images.	63

Prof.S.N.Shelke HOD EJ Dr.D.B. Uphade Principal