

Maratha Vidya Prasarak Samaj's

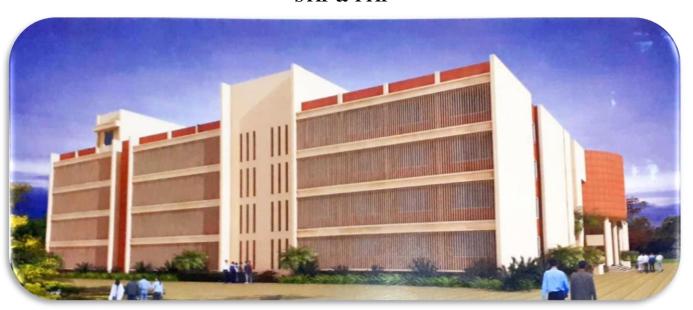
Rajarshi Shahu Maharaj Polytechnic, Nashik

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 2020-21 Even Semester SYIF & TYIF



DEPARTMENTS

Mechanical Engineering
Computer Technology

Electronics and Telecommunication Engineering

Information Technology

Electrical Engineering

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

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 106 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 education is ts 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.

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 essentialskills.
Toinculcateprinciplesofprofessionalactivities by promoting industry institute interaction and
entrepreneurialskills.
To create an environment awareness for sustainabledevelopment.



Department of Information Technology

Prof. V. K. Khedkar HOD-IF **Dr. D. B. Uphade**Principal

INDEX

Sr. No.	MICRO PROJEC TTITLE	PAGE
JPR (22412) MBP		
1	Railway Reservation System	2
2	Student Record System	3
3	School Management System	4
4	Airline Reservation System	5
5	Hotel Management System	6
6	Bank Management System	7
7	Electricity Billing System	8
8	Healthcare Management System	9
9	Medical Management System	10
10	Quiz Management System	11
11	Library Management System	12
12	Hospital Management System	13
13	Contact Management System	14
14	Mobile Shopping Management System	15
15	Employee Management System	16
16	Stock Management System	17
17	Telephone Billing System	18
18	Using Applet And Multithreading Bouncing Ball	19
SEN (22413) RSM		
1	COCOMO model	21
2	Software Engineering in Robotics	22
3	Library Management System	23
4	ATM Management System	24

5	Software Requirement Specification(SRS)	25	
6	Project Scheduling	26	
7	Process Models	27	
8	Requirement Engineering	28	
9	Test Documentation	29	
10	Design Notations	30	
11	Agile Software Development	31	
12	Quality Evaluation standards	32	
13	Requirement Engineering	33	
14	Metrics for size Estimation and Project Cost Estimation Approaches	34	
15	Software Testing	35	
16	Hospital Management System	36	
17	Employee Management System	37	
18	School Management System (ERP)	38	
DMA (22416) VKK			
1	Hospital Management	40	
2	College Admission	41	
3	Library Management	42	
4	Art Gallery Management	43	
5	Online Mobile shop Management	44	
6	Medical Management	45	
7	Employee Management	46	
		47	
8	Teachers Feedback Scheme	4/	
9	Teachers Feedback Scheme College Management System	48	

11	School Management	50
12	Hostel Management	51
13	Hotel Management	52
14	Bank Management	53
15	Railway System	54
16	Fresher's Party Management	55
17	Blood Donation Management	56
18	Patient Management System	57
	CNE (22417) SSR	
1	Basic networking device	59
2	ISO- OSI MODEL	60
3	Network Topology Using Robotics	61
4	Network Computing Model	62
5	Transport Layer Protocols : TCP, UDP	63
6	TCP Model	64
7	Networking Device (LAN, MAN, WAN)	65
8	Review-analysis of network topologies	66
9	IP based Patient Monitoring System	67
10	Transmission media	68
11	Network Connecting Device	69
12	OSI Reference Model	70
13	Types of Network According to Geography	71
14	Working of DNS server	72
15	Logical and Physical Address of Computer	73
16	Types of devices according network	74

17	IP Address	75
18	Guided Media	76
	GAD (22034) APP	
1	Supermarket management systems	78
2	School Management system	79
3	Student Result Management System	80
4	Airline Reservation Management System	81
5	Mobile Shop Management System	82
6	Hotel Management System	83
7	Inventory Management System	84
8	Covid-19 bed reservation system	85
9	sports management system	86
10	Salary management system	87
11	Student Record Management System	88
12	Library Management System	89
13	Contact Management	90
14	Car Showroom System	91
15	Employee Management System	92
16	Hospital management system	93
17	Blood Donation Management	94
18	Hostel management	95
MGT (22509) AAM		
1	Prepare a Report on Types Of Organization.	97
2	Study of safety measures in Food Industry	98
3	Study of management principles applied to a Large scale Industry	99

	4	Report on Types of planning and steps in planning	100
	5	Report on Types of planning and steps in planning	101
	6	Study measures to be taken to ensure cyber security.	102
	7	Case Study On Small Business Management	103
	8	Study on management for medium scale industries	104
	9	Prepare case studies of safety measures followed in different types of organizations	105
	10	Legislative Act	106
	11	Case Study on small Scale Industries	107
	12	Study of management principle applied to medium scale industry	108
	13	Report on managerial skills	109
	14	Small-Scale Business & their management problems.	110
		MAD (22617) SST	
	1	Develop a Android Application For Stopwatch	113
	2	Image To PDF Converter in Android	114
	3	Android Notepad	115
	4	Personal Diary Maintaining Android Application	116
	5	Camera Application	117
	6	Android Calculator	118
	7	QUIZ application using android studio	119
	8	Tic Tac Toe App	120
	9	Android Length converter	121
	10	TO DO LIST	122
	11	Message Encrypted Application	123
	12	Alarm clock	124
-	13	Reminder app	125

14	Developed a simple tic tac toe android app	126
	ETI (22618) SSR	
1	IoT based Humanity and Temperature Monitoring	129
2	Case study on Types of Internet Fraud	130
3	Types of Hacking Attacks	131
4	Digital Evidence Preservation Techniques.	132
5	Basic of Ethical Hacking	133
6	Study on Various types of Malwares	134
7	Case Study on AI in robotics	135
8	Case Study on Grade up AIML Applications	136
9	Digital forensic with Robotics	137
10	AI in Social Media and Robotics	138
11	Relay control using IOT	139
12	AI in Healthcare	140
13	Information of iot Devices in Robotics	141
14	Develop a Model Using Embedded System	142
	WMN (22622) SST	
1	Working Of True caller	145
2	Prepare a report on mobile services	146
3	Architecture of Wi-Fi	147
4	Security Mechanism using RFID	148
5	Report on 4G technology and next generation mobile communication 5G technology	149
6	Report on Various types of Network GENERATIONS	150
7	Wireless network technology	151

8	Report on base transreceiver station which include BTS topology	152
9	Prepare a report on Wireless Local Loop (WLL)	153
10	Architecture of Bluetooth	154
11	Project on TRAI regulations related to Wireless and Mobile Network	155
12	Detail Architecture of Wifi	156
13	Hopping and spread spectrum modulation techniques	157
14	GSM Architecture	158
	CCS (22624) VKK	
1	Case Study Of Google App Engine.	161
2	Case Study Of Amazon Cloud Services	162
3	Case Study On VMware	163
4	Deploying Machine Learning Model Inside of Big Query And Training It For Future Predictions.	164
5	Training A Face Analysis Model Using AI+ML For Application/ Software On Azure	165
6	Case Study Of IBM Cloud Service	166
7	Case Study On Rack space Cloud	167
8	Server less Services By Aws & Google Cloud	168
9	Case Study Of Virtualization And Different Hypervisors	169
10	Case Study Of Google Cloud Platform	170
11	Case Study On Microsoft Azure	171
12	Case Study On Apple I-cloud	172
13	Study Of AWS Deep Racer	173
14	Case Study Of Model In The Cloud Using Mobile Cloud Learning	174