



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



DEPARTMENTS

Mechanical Engineering

Computer Technology

Electronics and Telecommunication Engineering

Information Technology

Electrical Engineering



Maratha Vidya Prasarak Samaj's Rajarshi Shahu Maharaj Polytechnic, Nashik

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

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 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 Graduation. 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.



RSM POLY

Department of Science & Humanity

Prof.T.K.Thange

HOD-SH

Dr. D. B. Uphade

Principal

INDEX

Sr No.	MICRO PROJECT TITLE	PAGE NO
ENG (22101) CPG		
1	Report on Develop language games, activities, crosswords puzzles, enhancing word power to be used in English language	2
2	Advertisement of five technic	3
3	After studying standard English Newspaper, prepare a booklet identifying various aspect of sentences	4
4	Report on Interviewing Any Successful Person	5
5	Contribution of Indian Scientist	6
6	Report on College using Different Idioms	7
7	Report on Develop language games, activities, crosswords puzzles, enhancing word power to be used in English language	8
8	Advertisement for five Technical Projects	9
BSC-P (22102) AAM		
1	Dimensions of fundamental and derived physical quantities	11
2	Using water and Diode Laser to demonstrate Total Internal Reflection	12
3	Total Internal Reflection	13
4	System of units of different physical quantities	14
5	Prepare chart on dimensions of fundamental and derived physical quantities	15
6	Prepare Model for Combination of Series Using LED/BULBS	16
7	Combination of parallel using LED/bulbs	17
8	Comparison of systems of Units for Physical Quantities	18
BSC-C (22102) PVP		
1	Collect Information about Chemical Bond and make model of Electrovalent bond.	20
2	Prepare a chart showing difference between Primary cell & Secondary Cell	21
3	Collect Information about Structure of Solids and make a model of any one type solid	22
4	Prepare Chart of showing pH value of different material.	23

5	Collect different sample of adhesive and make a chart of adhesive sample.	24
6	Collect Information about Insulators and make chart about properties and Applications	25
7	Collect Information about Chemical Bond and make model of Covalent Bond	26
8	Collect Different Sample of Polymer, prepare a chart showing Uses & Application of it	27

BMS (22103) VRP

1	Logarithm	29
2	Determinant	30
3	Matrices	31
4	Statistics (Ungrouped Distribution)	32
5	Straight Line	33
6	Mensuration of Plane Figures	34
7	Mensuration of Solid Figures	35
8	Statistics (Ungrouped Distribution)	36

ICT (22001) GNH

1	Prepare "A Report on a Indian Culture" Using a Microsoft Word Document	38
2	Prepare "A Report on a Environmental Pollution" Using a Microsoft Word Document	39
3	Prepare "Employee Salary Sheet" Using Microsoft Excel. (Assume Suitable Data For 20 Employees)	40
4	Prepare "Student Mark Sheet Record" Using Microsoft Excel (Assume Suitable Data For 20 Students)	41
5	Prepare PPT on "MVPS's RSM Polytechnic College".	42
6	"Prepare Your Resume" Using Microsoft Word Document (Assume Suitable Data)	43
7	Prepare "A report on Company Production Details and Also Generate Chart for Same" Using Microsoft Excel	44
8	Prepare PPT on "Types of Computer Networks	45

EGM (22002) YMH

1	Survey of types of nut & Draw Sheet on Involutes	47
2	Survey of Types of Bolt & Draw sheet on Involutes of Pentagon	48

3	Survey of Types of Screw & Draw Sheet on involutes of Pentagon	49
4	Survey of spring & draw Sheet on cycloid	50
5	Make Model of Isometric View & Draw sheet on orthographic projection	51
6	Make Model of Isometric View & Draw sheet on orthographic projection	52
7	Survey of Types of Washers & Draw sheet on Involutes of Pentagon	53
8	Survey of Types of Studs & Draw sheet on Involutes of Pentagon	54
WPM (22004) NSM		
1	Prepare Display Board on Types of Fitting Joints	56
2	Prepare Display Board on Welding Joint	57
3	Prepare Display Board on Welding Joint	58
4	Prepare Display Board of TYPES of Woods	59
5	Prepare Display Board of Furniture Material	60
6	Prepare Display Board on Types of Pipe Joints	61
7	Prepare Display Board of Tools Used in Sheet Metal	62

Prof. T. K. Thange
HOD-SH



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



DEPARTMENTS

Mechanical Engineering

Computer Technology

Electronics and Telecommunication Engineering

Information Technology

Electrical Engineering



Maratha Vidya Prasarak Samaj's Rajarshi Shahu Maharaj Polytechnic, Nashik

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

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 its 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 Graduation. 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.



Department of Science & Humanity

Prof.T.K.Thange

HOD-SH

Dr. D. B. Uphade

Principal

INDEX

Sr No.	MICRO PROJECT TITLE	PAGE
ENG (22101) CPG		
1	Report on Develop language games, activities, crosswords puzzles, enhancing word power to be used in English language	2
2	Advertisement of five technic	3
3	After studying standard English Newspaper, prepare a booklet identifying various aspect of sentences	4
4	Report on Interviewing Any Successful Person	5
5	Contribution of Indian Scientist	6
6	Report on College using Different Idioms	7
7	Report on Develop language games, activities, crosswords puzzles, enhancing word power to be used in English language	8
8	Advertisement for five Technical Projects	9
BSC-P (22102) AAM		
1	Prepare a chart on dimensions of fundamental and derived physical quantities	11
2	Diode Laser Demonstrate Total Internal Reflection and Optical Fibre	12
3	Prepare models by using water and diode laser to demonstrate total internal reflection and the working of optical fibre	13
4	Prepare Chart on comparison of system of units for different Physical Quantities	14
5	Prepare chart on dimensions of fundamental and derived physical quantities	15
6	Combination of Series Using Led/Bulbs	16
7	Prepare model for combination of Parallel using LED/Bulbs	17
8	System of Unit for Different Physical Quantities	18
BSC-C (22102) PVP		
1	Collect Information about Chemical Bond and make model of Electrovalent bond.	20
2	Prepare a chart showing difference between Primary cell & Secondary Cell	21
3	Collect Information about Structure of Solids and make a model of any one type solid	22
4	Prepare Chart of showing pH value of different material.	23

5	Collect different sample of adhesive and make a chart of adhesive sample.	24
6	Collect Information about Insulators and make chart about properties and applications	25
7	Collect Information about Chemical Bond and make model of Covalent Bond.	26
8	Collect Different Sample of Polymer, prepare a chart showing Uses & Application of it.	27

BMS (22103) VRP

1	Logarithm	29
2	Determinant	30
3	Matrices	31
4	Statistics (Ungrouped Distribution)	32
5	Straight Line	33
6	Mensuration of Plane Figures	34
7	Mensuration of Solid Figures	35
8	Statistics (Ungrouped Distribution)	36

ICT (22001) PDB

1	Prepare PPT on ATM Machine Operating	38
2	Prepare A Microsoft Word Document Report on a Nashik Culture	39
3	Prepare PPT on School Management System	40
4	Prepare A Microsoft Word Document Report on a Historical places in Maharashtra	41
5	Prepare A Microsoft Excel Report on a College All Student Information	42
6	Prepare PPT on Different Useful Website information	43
7	Prepare A Microsoft Excel Report on a Student Assessment Record	44
8	Prepare A Microsoft Excel Report on a Library Management System	45

EGE (22003) MSG

1	Make a Chart of Orthographic View & Draw Sheet on Project	47
2	Make a Chart of Isometric View & Draw Sheet on Projection	48
3	Study of AutoCAD Command & Draw 2D Profile	49

4	Survey of Nut, Bolt & Make a Chart	50
5	Survey of Types of Washers & Make a Chart	51
6	Make a Chart of Orthographic View & Draw Sheet on Projection	52
7	Make a Chart of Isometric View & Draw Sheet on Projection	53
8	Study of AutoCAD Command & Draw 2D Profile	54
WPC (22005) SVS		
1	Report on Electronic Devices	56
2	Different Types of Cables, Wires and Switches	57
3	Different Types Printers and Scanner and Explain Their Connectivity	58
4	Wireless Network Environment Setup	59
5	Different Parts of Motherboard	60
6	Wired Network Environment Setup	61
7	Wired and Wireless Mouse and Keyboard	62
8	Different Parts of a Computer	63

Prof. T. K. Thange
HOD-SH



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



DEPARTMENTS

Mechanical Engineering

Computer Technology

Electronics and Telecommunication Engineering

Information Technology

Electrical Engineering



Maratha Vidya Prasarak Samaj's Rajarshi Shahu Maharaj Polytechnic, Nashik

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

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 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 Graduation. 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.



Department of Science & Humanity

Prof.T.K.Thange

HOD-SH

Dr. D. B. Uphade

Principal

INDEX

Sr No.	MICRO PROJECT TITLE	PAGE NO
ENG (22101) CPG		
1	Report on Develop language games, activities, crosswords puzzles, enhancing word power to be used in English language	2
2	Advertisement of five technic	3
3	After studying standard English Newspaper, prepare a booklet identifying various aspect of sentences	4
4	Report on Interviewing Any Successful Person	5
5	Contribution of Indian Scientist	6
6	Report on College using Different Idioms	7
7	Report on Develop language games, activities, crosswords puzzles, enhancing word power to be used in English language	8
8	Advertisement for five Technical Projects	9
BSC-P (22102) SPJ		
1	Prepare Chart on Dimensions of Fundamental & Derived Physical Quantities	11
2	Good and Bad Conductors Within Collected Materials	12
3	Using Laser Optics (Reflection Of light)	13
4	Comparison of Systems of Units for Different Physical Quantities	14
5	Laser Light	15
6	Resistors in Series	16
7	Prepare model for combination of parallel using LED bulbs	17
8	Prepare Chart on Comparison of System of Units for Different Physical Quantities	18
BSC-C (22102) DBM		
1	Collect Information about Chemical Bond and make model of Electrovalent Bond.	20
2	Survey of types of cell and prepare a chart on Primary Cell and Secondary Cell	21
3	Collect Information about Structure of Solids and make a model of any one type of solid	22

4	Prepare Chart of showing pH value of different material	23
5	Collect different sample of adhesive and make a chart of adhesive sample	24
6	Collect Information about Structure of Solids and make a model of any one type of solid	25
7	Collect Information about Chemical Bond and make model of Covalent Bond.	26
8	Collect information about types of polymers	27

BMS (22103) TKT

1	Logarithm	29
2	Determinant	30
3	Matrices	31
4	Partial Fraction	32
5	Trigonometry	33
6	Straight Line	34
7	Mensuration	35
8	Statistics	36

ICT (22001) MBP

1	Presentation on Computer Network	38
2	Presentation On “Computer Basics”	39
3	The Basics of Computer	40
4	Electricity Bill Generation	41
5	Leave Application in Microsoft Word	42
6	Timetable Preparation	43
7	Gross Salary Sheet Calculation	44
8	Result Sheet in Excel	45

EGE (22003) KVS

1	Make a Chart of Orthographic View & Draw Sheet on Projection	47
2	Make a Chart of Isometric View & Draw Sheet on Projection	48

3	Study of AutoCAD Command & Draw 2D Profile	49
4	Survey of Nut, Bolt & Make a Chart	50
5	Survey of Types of Washers & Make a Chart	51
6	Make a Chart of Orthographic View & Draw Sheet on Projection	52
7	Make a Chart of Isometric View & Draw Sheet on Projection	53
8	Study of AutoCAD Command & Draw 2D Profile	54
WPC (22005) SST		
1	Different Parts of Computer	56
2	Different Types of Wired and Wireless Keyboard And Mouse.	57
3	Weird Network.	58
4	Different Parts of Motherboard	59
5	Wireless Network Environment Setup	60
6	Types of Printers and Scanners	61
7	Different Types Of Cables, Wires And Switches.	62
8	Types of Electronic Devices	63

Prof. T. K. Thange
HOD-SH



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



DEPARTMENTS

Mechanical Engineering

Computer Technology

Electronics and Telecommunication Engineering

Information Technology

Electrical Engineering



Maratha Vidya Prasarak Samaj's Rajarshi Shahu Maharaj Polytechnic, Nashik

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

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 its 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 Graduation. 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.



Department of Science & Humanity

Prof.T.K.Thange

HOD-SH

Dr. D. B. Uphade

Principal

INDEX

Sr No.	MICRO PROJECT TITLE	PAGE NO
ENG (22101) CPG		
1	Report on Develop language games, activities, crosswords puzzles, enhancing word power to be used in English language	2
2	Advertisement of five technic	3
3	After studying standard English Newspaper, prepare a booklet identifying various aspect of sentences	4
4	Report on Interviewing Any Successful Person	5
5	Contribution of Indian Scientist	6
6	Report on College using Different Idioms	7
7	Report on Develop language games, activities, crosswords puzzles, enhancing word power to be used in English language	8
8	Advertisement for five Technical Projects	9
BSC-P (22102) SPJ		
1	Prepare Chart on Dimensions of Fundamental & Derived Physical Quantities	11
2	Good and Bad Conductors Within Collected Materials	12
3	Water and Diode Laser to Demonstrate Total Internal Reflection and The Working of Optical Fiber.	13
4	Make a chart on comparison of system of units	14
5	Collect Different Materials And Prepare Model To Differentiate Good And Bad Conductors Within Collected Material	15
6	Combination of Series	16
7	Preparing Model on Parallel Combination of Circuit	17
8	Prepare Chart on Comparison of Systems of Units for Different Physical Quantities	18
BSC-C (22102) DBM		
1	Collect Information about Chemical Bond and make model of Electrovalent Bond.	20
2	Survey of types of cell and prepare a chart on Primary Cell and Secondary Cell	21

3	Collect Information about Structure of Solids and make a model of any one type of solid	22
4	Prepare Chart of showing pH value of different material	23
5	Collect different sample of adhesive and make a chart of adhesive sample	24
6	Collect Information about Structure of Solids and make a model of any one type of solid	25
7	Collect Information about Chemical Bond and make model of Covalent Bond.	26
8	Collect information about types of polymers	27

BMS (22103) VRP

1	Logarithm	29
2	Determinant	30
3	Matrices	31
4	Statistics (Ungrouped Distribution)	32
5	Straight Line	33
6	Mensuration of Plane Figures	34
7	Mensuration of Solid Figures	35
8	Statistics (Ungrouped Distribution)	36

ICT (22001) RSM

1	Marksheet Generation in Excel	38
2	Electricity Bill in Excel	39
3	Presentation on Department	40
4	Time Table in Word	41
5	Student Progress Sheet using charts	42
6	Word Report of Networking Environment	43
7	Mathematics formula in Excel	44
8	Time table in Excel	45

EGE (22003) MSG

1	Make a Chart of Orthographic View & Draw Sheet on Projection	47
2	Make a Chart of Isometric View & Draw Sheet on Projection	48
3	Study of AutoCAD Command & Draw 2D Profile	49
4	Survey of Nut, Bolt & Make a Chart	50
5	Survey of Types of Washers & Make a Chart	51
6	Make a Chart of Orthographic View & Draw Sheet on Projection	52
7	Make a Chart of Isometric View & Draw Sheet on Projection	53
8	Study of AutoCAD Command & Draw 2D Profile	54
WPE (22006) PGD		
1	Prepare A Chart Showing Various Resistors Used in Industry	56
2	Prepare A Chart Showing Various Electronic Components Used in Industry	57
3	Solder Component on PCB & Check Continuity	58
4	Test Active Components Connected in Given Electronic Equipment	59
5	Prepare a small report on market survey of diodes used in small electronic industry	60
6	Prepare specifications of Active and Passive components & their manufacturer and addresses	61
7	Test passive components connected in given electronic equipment	62

Prof. T. K. Thange
HOD-SH



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



DEPARTMENTS

Mechanical Engineering

Computer Technology

Electronics and Telecommunication Engineering

Information Technology

Electrical Engineering



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.

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 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 Graduation. 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.



Department of Science & Humanity

Prof.T.K.Thange

HOD-SH

Dr. D. B. Uphade

Principal

INDEX

Sr No.	MICRO PROJECT TITLE	PAGE NO
ENG (22101) CPG		
1	Report on Develop language games, activities, crosswords puzzles, enhancing word power to be used in English language	2
2	Advertisement of five technic	3
3	After studying standard English Newspaper, prepare a booklet identifying various aspect of sentences	4
4	Report on Interviewing Any Successful Person	5
5	Contribution of Indian Scientist	6
6	Report on College using Different Idioms	7
7	Report on Develop language games, activities, crosswords puzzles, enhancing word power to be used in English language	8
8	Advertisement for five Technical Projects	9
BSC-P (22102) SPJ		
1	Prepare Chart on Dimensions of Fundamental & Derived Physical Quantities	11
2	Good and Bad Conductors Within Collected Materials	12
3	Total Internal Reflection And The Working Of Optical Fiber	13
4	System Of Unit For Different Physical Quantities	14
5	Fundamental and Derived Fundamental Quantities	15
6	Series Using LED/Bulbs	16
7	Combination Of Parallel Using Led / Bulbs	17
8	Prepare Chart On Comparision Of System Of Unitsfor Different Physical Quantities	18
BSC-C (22102) DBM		
1	Collect Information about Chemical Bond and make model of Electrovalent Bond.	20
2	Survey of types of cell and prepare a chart on Primary Cell and Secondary Cell	21
3	Collect Information about Structure of Solids and make a model of any one type of solid	22

4	Prepare Chart of showing pH value of different material	23
5	Collect different sample of adhesive and make a chart of adhesive sample	24
6	Collect Information about Structure of Solids and make a model of any one type of solid	25
7	Collect Information about Chemical Bond and make model of Covalent Bond.	26
8	Collect information about types of polymers	27

BMS (22103) TKT

1	Logarithm	29
2	Determinant	30
3	Matrices	31
4	Partial Fraction	32
5	Trigonometry	33
6	Straight Line	34
7	Mensuration	35
8	Statistics	36

ICT (22001) RSM

1	Marksheet Generation in Excel	38
2	Electricity Bill in Excel	39
3	Presentation on Department	40
4	Time Table in Word	41
5	Student Progress Sheet using charts	42
6	Word Report of Networking Environment	43
7	Mathematics formula in Excel	44
8	Time table in Excel	45

EGM (22002) MSA

1	Survey of types of nut & Draw Sheet on Involutes	47
2	Survey of Types of Bolt and Draw sheet on Involutes of Pentagon	48
3	Survey of Types of Screw and Draw Sheet on Involutes of Pentagon	49

4	Survey of Spring and Draw Sheet on Cycloid	50
5	Make Model of isometric View & Draw sheet on orthographic projection	51
6	Make Model of Isometric View and Draw sheet on Orthographic Projection	52
7	Survey of Types of Washers and Draw sheet on Involute of Pentagon	53
8	Study of AutoCAD Command & Draw 2D Profile	54
WPM (22004) NSM		
1	Prepare Display Board On Types Of Fitting Joints	56
2	Prepare Display Board On Welding Joint	57
3	Weird Network.	58
4	Different Parts of Motherboard	59
5	Wireless Network Environment Setup	60
6	Prepare Display Board On Types Of Pipe Joints	61
7	Prepare Display Board On Tools Use In Sheet Metal	62

Prof. T. K. Thange
HOD