



Government Polytechnic Mumbai

(An Autonomous Institute of Government of Maharashtra)
49, Kherwadi, Ali Yavar Jung Marg, Bandra (E) Mumbai – 400051.

Web : www.gpmumbai.ac.in

Admission Announcement For Career Oriented Certificate Courses Under CONTINUING EDUCATION PROGRAMME

Sr. No	Title of Course	Eligibility	Duration	Fees	Contact Numbers
1	AutoCAD Software With Drafting (2D & 3D)	Minimum S.S.C	8 Weeks	5100	9833091185 8898334241
2	CNC programing & Operation (Lathe & Mill M/c)	Diploma/ Degree In Engg. /ITI (Mechanical) or 6 months Exp. In relevant feilds	6 Weeks	7100	9819010418 9881056202
3	Computer Hardware & Networking	S.S.C Passed	6 Weeks	3100	9702614695 9321048825
4	Industrial Automation	Diploma/ Degree In Engg. /ITI/ NCTVT or 2 year Exp. In relvent feilds	9 Weeks	14100	9819823408 9869375141
5	Integrated Building Mangement Systems	Diploma/ Degree In Engg. /ITI/ NCTVT or 2 year Exp. In relvent feilds	6 Weeks	15100	9820754727 8422906324
6	Sound Engineering (Live / D.J / Post Production)	S.S.C Passed	12 weeks	30100	8390118685 9323396358
7	Film & Video Editing	S.S.C Passed	12 weeks	30100	
8	NDT- Non Destructive Testing (Level-II)	Bsc(Phy/Chem) BE,Diploma, 12/ITI/NCVTwith Experience	6 weeks	13100	9004455666 9867271555
9	Project & piping Design Engineering Level - I	Bsc(Phy/Chem) BE,Diploma, 12/ITI/NCVTwith Experience	8 weeks	26100	
10	Project & piping Design Engineering Level - II	Bsc(Phy/Chem) BE,Diploma, with 1-2 year relevant Experience	12 weeks	35100	
11	HVAC – Heat Ventilation & Air Conditioning	Bsc(Phy/Chem) BE,Diploma, 12/ITI/NCVTwith Experience	8 weeks	17600	
12	Certificate In Fire & Industrial Safety Management	Bsc(Phy/Chem) 12/ITI/NCVT with Experience	6 Month	17300	
13	Advanced Certificate In Industrial Safety Engineering	Bsc(Phy/Chem) BE,Diploma, 12/ITI/NCVTwith Experience	12 Month	32600	9769743488 7030312583
14	Embedded System and H/W	ITI / Diploma / Degree	8 weeks	3100	
15	CCTV Surveillance System	10 th pass / ITI / Diploma / Degree	6 weeks	6100	

ONLINE COURSES

16	AC Variable Frequency Drives	Any Engineering background	1 month	7000	8850117918 9820605534 7208060349
17	Radio Frequency Identification (RFID)	Any Engineering background	1 month	7000	
18	Gas Monitors	Any Engineering background	1 month	7000	
19	HAZOP	Any Engineering background	1 month	19,500	
20	Safety Instrumented Systems	Any Engineering background	1 month	19,500	
21	Fieldbus	Any Engineering background	1 month	19,500	
22	Hazardous Area Instrumentation	Any Engineering background	1 month	13,000	
23	Safe Chemical Warehousing	Any Engineering background	1 month	13,000	

18% GST will be applicable in addition to the above mention fees

Fees are accepted only in Demand Draft drawn in favor of “ Principal Government Polytechnic Mumbai ”

Course Name	Auto CAD Software with Drafting
Duration	8 weeks
Eligibility	S.S.C passed
Course Contents	Introduction to Manual drafting, 2Dimension Drawing , Isometric, Working With Layers and Block, Dimensioning, 3 Dimension Drawing
Timings	Morning : 8:00 am to 10:00 am; Evening : 6:00 pm to 8:00 pm Weekend (Sat- Sun) : 8:00 am to 1:00 pm
Name of Program Coordinator	Mr. D.V.Kambale
Name of Course Coordinator	Mr. K.B. Salunke
Fees	5100 (DD only in favour of PRINCIPAL GOVERNMENT POLYTECHNIC MUMBAI)
Executing Department	Mechanical Engg. Department (room no: 12)
Contact Nos	9833091185, 9969118694

Course Name	CNC PROGRAMMING & OPERATION
Duration	6 WEEKS (SIX WEEKS)
Eligibility	I.T.I, NCTVT, DIPLOMA, DEGREE, (TRADE:- TURNER, MACHINIST, FITTER, TOOL & DIE MAKER, MECHANICAL, ELECTONICS, PRODUCTION ENGG.) / 6 th Month Exp. in appropriate field.
➤ Course Contents ➤ PROGRAMME OF STUDIES :	LATHE & MILL CNC MACHINE ON VEROUS JOB DRAWING WITH PROGRAMMING & PRACTICALS <ul style="list-style-type: none"> • Classification & Constructional details of CNC. • Fundamentals of part programming on different m/c control (Hass & Fanuc). • CNC Lathe part programming & practical. • CNC Mill part programming & practical. • Sub routine editors & cycle with G & M codes. • Use of tool path simulation & machining.
Timings	10.00 AM TO 12.00 PM (MORNING SESSION) Regular:- (Monday to Friday)
Name of Program Co- ordinator	MR. S.V.Joshi (WORKSHOP SUPREITENT)
Name of Course Co- ordinator	MR. A. S. KADAM (FOREMAN) CNC INSTRUCTOR:- MR P. S. GAIKWAD
Fees	7100/-
Executing Department	WORKSHOP (CNC LAB)
Contact Nos	MR P. S. GAIKWAD - 9881056202, MR A. S. KADAM - 9819010418,

Course Name	Computer Hardware and Networking
Duration	6 weeks
Eligibility	SSC pass
Course Contents	Introduction Computer Hardware, Computer Assembling AND OS Installation , Device Drivers Installation, Application Software Installation, Fault Finding and Troubleshooting Computer Network , Network Topologies and Networking Devices ,IP Addressing, Fault Finding and Troubleshooting
Timings	8 am-10am, 10.30am-12.30pm, 4pm-6pm
Name of Program Coordinator	Ms. V.M. Aswar.
Name of Course Coordinator	Mrs. Lokare
Fees	3100/ (Inclusive of Rs100 form fee)
Executing Department	Computer Department
Contact Nos	022-26475932 , 9702614695, 9860753677

Course Name	Industrial Automation
Duration	72 Hrs.
Eligibility	Diploma/Degree in Instrumentation/ Electronics/ Electrical/ Mechanical/ Chemical Engineering & Technology/ITI /NCTVT with 2 years industrial experience. Final year appeared students are also eligible.
Course Contents	<p><u>PLC Programming & Troubleshooting.</u></p> <p><i>PLC Fundamentals.</i> Need of automation, Advance PLC control, PLC architecture, History, Advantages and functions, I/O Modules, PLC selection criteria, Applications</p> <p><i>PLC Hardware & Software details.</i> Types, PLC control panel and its accessories, Installation and activation of software, PLC communication</p> <p><i>PLC Programming Instructions.</i> Different program languages, Ladder diagram , Exercise based on control applications.</p> <p><i>PLC Applications.</i> Bottling line, Water distribution system, Batch process</p> <p><i>Field I/O Devices.</i> Discrete and Analog Input/Output devices.</p> <p><i>PLC Wiring.</i> Digital and Analog I/O Interfacing to PLC.</p> <p><i>PLC Troubleshooting.</i> Fault finding and correcting it, in PLC based Control system.</p> <p><u>SCADA.</u></p> <p><i>SCADA Fundamentals.</i> Introduction ,History, Benefits, Elements, Selection criteria</p> <p><i>SCADA Software Introduction & its Features.</i> Installation and activation, Creating & working with new project, Setting up communication, Creating Tags, Creating graphics and providing animation to object, Creation of Alarms, Creation of Trends, Use of different Logs, Derived Tags,</p> <p><i>SCADA Applications.</i> Batch process, Traffic light control</p> <p><i>Industrial Network Communication.</i></p> <p><u>AC Drive.</u></p> <p><i>AC Motor Fundamentals.</i> Types, Operation, DOL, Star to Delta</p> <p><i>AC Drive Fundamentals.</i> Types, Selection, Use, Applications, Terms and concepts.</p> <p><i>VFD Hardware and Software Details.</i> VFD Programming & Controls of VFD.</p>

	<p><u>Process Control System.</u></p> <p><i>Introduction.</i></p> <p>PFD,P&ID, Types, Controller types.</p> <p><i>Programming.</i></p> <p>PID.</p> <p><i>Application.</i></p> <p>Level/ Flow Control System.</p>
Timings	<p>Saturday Only Batch: 9.30 to 5.30 pm</p> <p>Mon to Fri Batch: 6 to 8 pm</p> <p>Mon to Fri Batch:11 to 4.30 pm</p>
Name of Program Coordinator	Mr.U.B.Shinde
Name of Course Coordinator	Mr.K.U.Dawane
Fees	14100/ Rs. (10100/ + 4000/) only by DD in favour of 'Principal Government Polytechnic, Mumbai'
Executing Department	Instrumentation Department
Contact Nos	9665955725,9869375141,8652017000 & 9819823408

Course Name	Integrated Building Management Systems. (IBMS)
Duration	06 Weeks
Eligibility	SSC & Above.
Course Contents	Intro. Of IBM Systems, Access Control Systems, CCTV Systems, Fire Systems, HVAC Systems, PA Systems
Timings	10:00AM To 5:00 PM Saturday Or Sunday
Name of Program Coordinator	Prof. S.B.Vishwarupe
Name of Course Coordinator	Dr.P.N.Padghan
Fees	15,000/- (External Students) & 10,500/- (Internal Students)
Executing Department	Department Of Electrical Engineering
Contact Nos	98207 54727 / 82868 24974/99703 80438 /96659 55725

Course Name	Sound Engineering
Duration	3 months
Eligibility	S.S.C passed
Course Contents	20% theory / 80% practical. Studio post production, Editing, Recording, Mixing, Mastering, Live Sound, DJ.
Timings	Regular (Mon, Wed& Fri) 2pm to 4pm, 4pm to 6pm, & 6pm to 8pm. Weekend (Sat-Sun) 11 to 2 pm
Name of Program Coordinator	Mr. Dinesh Kambale
Name of Course Coordinator	Mr.Yogesh Jamnik
Fees	30100/-
Executing Department	Mechanical
Contact Nos	8390118685 / 9323396358

Course Name	Film and Video Editing
Duration	3 months
Eligibility	S.S.C passed
Course Contents	20% theory / 80% practical. Camera theory, Formats, Editing, Colour correction, Dubbing, Background Music, Mastering
Timings	Regular (Mon, Wed& Fri) 2pm to 4pm, 4pm to 6pm, & 6pm to 8pm. Weekend (Sat-Sun) 11 to 2 pm
Name of Program Coordinator	Mr. Dinesh Kambale
Name of Course Coordinator	Mr. Yogesh Jamnik
Fees	30100/-
Executing Department	Mechanical
Contact Nos	8390118685 / 9323396358

Course Name	NDT Level 2 (Non Destructive Testing)
Duration	5 to 6 Weeks
Eligibility	Bsc (Phy/Chem), BE & Diploma, 12 / ITI / NCVT with Relevant Experience
Course Contents	Liquid Penetrant Testing, Magnetic Particle Testing, Ultrasonic Testing, Radiographic Testing
Timings	Daily, Sat/Sunday – 4-5 Hrs
Name of Program Coordinator	Mr. Dinesh Kambale
Name of Course Coordinator	Dr. Mahagaonkar
Fees	Rs. 13100/-
Executing Department	Mechanical
Contact Nos	9004455666, 9004982333

Course Name	Piping Design Engineering-Level-1
Duration	8 to 10 Weeks
Eligibility	Bsc (Phy/Chem), Diploma/Degree Engg, 12 / ITI / NCVT with Relevant Experience
Course Contents	Introduction & Evolution of Piping, Roles & Responsibilities of Piping Engineer, Classification of Piping, Piping MOC, Piping Components, Valves - applicability ,Valve Data sheet, Equipments & Piping Connections, Nozzle loading API-610 & API 661, ASME, ANSI, OISD, IBR Standards, Process Flow Diagram, Plot plan, Piping Isometrics & MTO, Piping Systems, Pressure Design of Piping Components as per ASME B 31.3, Introduction to NDT & relevance to Piping.
Timings	Sat/Sunday- 5Hrs
Name of Program Coordinator	Mr. Dinesh Kambale
Name of Course Coordinator	Dr. Rathod VP
Fees	Rs. 28100/-
Executing Department	Mechanical
Contact Nos	9004455666, 9004982333

Course Name	Piping Design Engineering-Level-2
Duration	12 to 14 Weeks
Eligibility	BE, Bsc (Phy/Chem) / Diploma with 1-2 years of relevant experience,
Course Contents	Introduction & Evolution of Piping, Roles & Responsibilities of Piping Engineer, Classification of Piping, Piping MOC, Piping Components, Valves - applicability ,Valve Data sheet, Equipments & Piping Connections, Nozzle loading API-610 & API 661, ASME, ANSI, OISD, IBR Standards, Fluid Mechanics & Thermodynamics, Process Flow Diagram, Plot plan, Piping Isometrics & MTO, Introduction to PDMS, Piping Systems, Piping Design & Stress Analysis, Pressure Design of Piping Components as per ASME B 31.3, Pipe Welding Technologies, Introduction to NDT & relevance to Piping and Final Project Review
Timings	Sat/Sunday- 5Hrs
Name of Program Coordinator	Mr.Dinesh Kambale
Name of Course Coordinator	Dr. Rathod VP
Fees	Rs. 38100/-
Executing Department	Mechanical
Contact Nos	9004455666, 9004982333

Course Name	HVAC Engineering
Duration	6 to 8 Weeks
Eligibility	BE, Diploma, 12th / ITI / NCVT with Relevant Experience
Course Contents	Introduction & Evolution of Heating Ventilation & Air Conditioning & Responsibilities of HVAC Engineer, Classification of HVAC System, Vapour Compression Refrigeration Cycle & its Components, Valves - applicability, HVAC Equipment's & Piping Connections, HVAC Heat Load Calculations as per ISHRAE standards, NBC Standards, Duct system design as per SMACNA standards, components of duct system, Chilled water system design, Pressure loss calculations of Piping Components as per ASME B 31.3 .
Timings	Daily, Sat/Sunday – 4 Hrs
Name of Program Coordinator	Mr.Dinesh Kambale
Name of Course Coordinator	Mr. P.P.Choudhary
Fees	Rs. 20100/-
Executing Department	Mechanical
Contact Nos	9004455666, 9004982333

Course Name	Certificate in Fire & Industrial Safety
Duration	6 Months
Eligibility	10 th Pass, 12 th / ITI / NCVT
Course Contents	Fire Prevention & Fire Fighting, Hazard & Management, Safety Management & Legislation, Safety Inspection & Audit, Construction Safety, Electrical Safety, Rescue, Salvage, Job safety analysis, Accident Report & Investigation , Work Permit System, Safety in material handling, Safety in welding and gas cutting, Safety in Maintenance, Emergency Planning, Personal Protective Equipment, Industrial Noise & Lighting, Heat and Ventilation, Work Procedures, Risk analysis, Industrial psychology in accident, Field Visit.
Timings	Sat/Sunday- 3-4Hrs
Name of Program Coordinator	Mr. Dinesh Kambale
Name of Course Coordinator	Mr. S. P. Mahagaonkar
Fees	Rs. 17300/-
Executing Department	Mechanical
Contact Nos	9004455666, 9004982333

Course Name	Advance Certificate in Industrial Safety
Duration	12 Months
Eligibility	10 th Pass, 12 th / ITI / NCVT
Course Contents	Fire Prevention & Fire Fighting, Hazard & Management, Safety Management & Legislation, Safety Inspection & Audit, Construction Safety, Electrical Safety, Rescue, Salvage, Job safety analysis, Accident Report & Investigation , Work Permit System, Safety in material handling, Safety in welding and gas cutting, Safety in Maintenance, Emergency Planning, Personal Protective Equipment, Industrial Noise & Lighting, Heat and Ventilation, Work Procedures, Risk analysis, Industrial psychology in accident, first aid, environment safety, contractor safety management, chemical safety, physical health hazards & their controls, safe operation of vehicles, equipment & machinery, industrial hygiene, machines guarding, power & hand tool safety. Field Visit.
Timings	Sat/Sunday- 3-4Hrs
Name of Program Coordinator	Mr. Dinesh Kambale
Name of Course Coordinator	Mr. Mr. S. P. Mahagaonkar
Fees	Rs. 32600/-
Executing Department	Mechanical
Contact Nos	9004455666, 9004982333

Course Name	EMBEDDED SYSTEM AND HARDWARE
Duration	60 HOURS
Eligibility	Diploma & Degree in EC / EE / COMP / IT
Course Contents	Introduction of Arduino Microcontroller Interfacing With All Type of Sensor. Interfacing with GSM And RFID. Embedded C programming. Introduction to IOT based controller. IOT based Programming and Application Development.
Timings	SUNDAY (10.00AM TO 2.00PM)
Name of Program Coordinator	Prof. Subhash kasture sir
Name of Course Coordinator	Prof. Dr.Hemant Pardeshi sir
Fees	3640/-
Executing Department	Electronics Department
Contact Nos	9082468546 / 7977078090/ 9769743488

Course Name	CCTV CAMERA SUIRVILLECE
Duration	60 HOURS
Eligibility	10 th /12 th / Diploma / Degree
Course Contents	CCTV Camera Training. IP Based Camera Installation. DVR Control System. NVR Control System. New Camera Technology. On Field Maintenance & Training.
Timings	SUNDAY (10.00AM TO 2.00PM)
Name of Program Coordinator	Prof. Subhash kasture sir
Name of Course Coordinator	Prof. Dr.Hemant Pardeshi sir
Fees	7180/-
Executing Department	Electronics Department
Contact Nos	7977078010 / 97694388 / 9082468546

Course Name	AC Variable Frequency Drives
Duration	1 month
Eligibility	Any
Course Contents	<p>The course is divided into several modules as below:</p> <ul style="list-style-type: none"> • Basic Concepts of AC Motors & Drives • Inside a VFD • VFD Functions • Energy Saving using VFDs • Specifying, Selecting and Installing VFDs • Using VFDs with DCS/PLC systems
Timings	No restriction, can access anytime within the one month period
Name of Program Coordinator	Prof. S.B.Vishwarupe
Name of Course Coordinator	Prof. Dhulshette
Fees	Rs. 7000/- plus GST@18%
Executing Department	Electrical
Contact Nos	Ph: 8850117918 / 9820605534 / 7208060349

Course Name	HAZOP
Duration	1 month
Eligibility	Any
Course Contents	<p>The course is divided into several modules as below:</p> <ul style="list-style-type: none"> • Basic Concepts • HAZOP Methodology • HAZOP Types, Standards & Legal Requirements • Managing HAZOPs • Case Study of a HAZOP
Timings	No restriction, can access anytime within the one month period
Name of Program Coordinator	Prof. S.B.Vishwarupe
Name of Course Coordinator	Prof. Dhulshette
Fees	Rs. 19,500/- plus GST@18%
Executing Department	Electrical
Contact Nos	Ph: 8850117918 / 9820605534 / 7208060349

Course Name	Fieldbus
Duration	1 month
Eligibility	Any
Course Contents	<p>The course is divided into several modules as below:</p> <ul style="list-style-type: none"> • Basic Concepts • FOUNDATION Fieldbus • HART, Profibus & ASi bus • Fieldbus in Hazardous Areas • Case Study of a Fieldbus project
Timings	No restriction, can access anytime within the one month period
Name of Program Coordinator	Prof. S.B.Vishwarupe
Name of Course Coordinator	Prof. Dhulshette
Fees	Rs. 19,500/- plus GST@18%
Executing Department	Electrical
Contact Nos	Ph: 8850117918 / 9820605534 / 7208060349

Course Name	Gas Monitors
Duration	1 month
Eligibility	Any
Course Contents	<p>The course is divided into several modules as below:</p> <ul style="list-style-type: none"> • Introduction to Gas Monitors (Basic Concepts, Toxic & Explosive Gases) • Types of Gas Monitors (Catalytic, Electrochemical, Semiconductor, PID, IR) • Gas Monitoring Systems (Dedicated & Open) • Installation, Calibration & Maintenance
Timings	No restriction, can access anytime within the one month period
Name of Program Coordinator	Prof. S.B.Vishwarupe
Name of Course Coordinator	Prof. Dhulshette
Fees	Rs. 7,000/- plus GST@18%
Executing Department	Electrical
Contact Nos	Ph: 8850117918 / 9820605534 / 7208060349

Course Name	Hazardous Area Instrumentation
Duration	1 month
Eligibility	Any
Course Contents	<p>The course is divided into several modules as below:</p> <ul style="list-style-type: none"> • Basic Concepts of Hazardous Areas • Classification of Hazardous Areas • Methods of Protection • Fieldbus in Hazardous Areas • Certification & Labelling • Inspections & Maintenance
Timings	No restriction, can access anytime within the one month period
Name of Program Coordinator	Prof. S.B.Vishwarupe
Name of Course Coordinator	Prof. Dhulshette
Fees	Rs. 13,000/- plus GST@18%
Executing Department	Electrical
Contact Nos	Ph: 8850117918 / 9820605534 / 7208060349

Course Name	Basic Industrial Cybersecurity
Duration	1 month
Eligibility	Any
Course Contents	<p>The course is divided into several modules as below:</p> <ul style="list-style-type: none"> • Basic Concepts of Automation Systems (DCS/PLC/SIS) • Basic Concepts of Cybersecurity • ICS Vulnerabilities & their mitigation • Security Risk Assessment & their mitigation • Standards, Practices & Specifications • Case Study-Stuxnet
Timings	No restriction, can access anytime within the one month period
Name of Program Coordinator	Prof. S.B.Vishwarupe
Name of Course Coordinator	Prof. Dhulshette
Fees	Rs. 13,000/- plus GST@18%
Executing Department	Electrical
Contact Nos	Ph: 8850117918 / 9820605534 / 7208060349

Course Name	Safe Chemical Warehousing
Duration	1 month
Eligibility	Any
Course Contents	<p>The course is divided into several modules as below:</p> <ul style="list-style-type: none"> • Basic Concepts of Chemical Warehouses • Hazards • Warehouse Design & Product Storage • HSE Requirements • Operations & Management • Legal, Security & Emergency Measures
Timings	No restriction, can access anytime within the one month period
Name of Program Coordinator	Prof. S.B.Vishwarupe
Name of Course Coordinator	Prof. Dhulshette
Fees	Rs. 13,000/- plus GST@18%
Executing Department	Electrical
Contact Nos	Ph: 8850117918 / 9820605534 / 7208060349

Course Name	Safety Instrumented Systems
Duration	1 month
Eligibility	Any
Course Contents	<p>The course is divided into several modules as below:</p> <ul style="list-style-type: none"> • Introduction to SIS • Hazards, Risks & their analysis • Failures & Reliability • Safety Integrity Level (SIL) • SIS Standards (incl IEC 61508 & IEC 61511) • SIS in practice • SIS Testing and Maintenance
Timings	No restriction, can access anytime within the one month period
Name of Program Coordinator	Prof. S.B.Vishwarupe
Name of Course Coordinator	Prof. Dhulshette
Fees	Rs. 19,500/- plus GST@18%
Executing Department	Electrical
Contact Nos	Ph: 8850117918 / 9820605534 / 7208060349