

INTERIOR DESIGN & DECORATION

B.Sc.-(ID)

B.Sc. in Interior Design

Duration : 3 Years Eligibility : 12th Pass OR DIDD (YCMOU) Pass

Syllabus : 1st Year

- Theory of Materials (TH)
- Services - I (TH)
- Interior Construction - I (PR)
- Graphic Design (PR)
- Basic Design (TH)
- Interior Design (PR)

Syllabus : 2nd Year

- Services - II (TH)
- Interior Design - II (PR)
- Interior Construction - II (PR)
- Professional Practice & Estimation (TH)
- CAD 2D & 3D (PR)
- 3D Studio, Photoshop (PR)

Syllabus : 3rd Year

- Interior Design - III (PR)
- Interior Construction - III (PR)
- Design Elective - (Techno Seminar)
- Environmental Design (PR)
- Design Dissertation (Project Work)
- Add on - Regular Counseling session for Theory & Practical work
- Market survey, Site visits, Model making.

YCMOU

YCMOU - Yashwantrao Chavan
Maharashtra Open university

DIDD

Diploma in Interior Designing & Decoration

Duration : One Year Eligibility : SSC Pass

Syllabus :

- Materials and General
- Drawing & Designing
- Drawing & Graphics-I
- Design -I
- Drawing & Graphics -II
- Design -II
- Autocad, Market survey, Site visits, Model making.

DIDD

Diploma in Interior Design and Decoration

CID

Certificate Course in Interior Decorator

Duration : One Year Eligibility : S.S.C pass

Syllabus :

- Interior Designing - All Types of materials Building Component, Estimating Designing of residential projects
- Building Construction - Construction details of all types of Materials, working drawing, Introduction to Electrical Plumbing services.
- Perspective Design - One Point Two Point Perspectives, Computer application- AutoCAD, Type of projection Design & Space planning of residential buildings

Autonomous

MSBVE Approved

INDUSTRY BASED,
SKILL DEVELOPMENT EDUCATION...
..Career Sure !



ARCHITECTURE
& CONSTRUCTION

ELECTRONICS -
HARDWARE -
NETWORKING

COMPUTER SOFTWARE
GRAPHIC - WEB
ANIMATION

INTERIOR DESIGN
& DECORATION



VOCATIONAL WING

'FOR SKILL DEVELOPMENT'

A UNIT OF S. P. MANDALI'S

NARALKAR INSTITUTE

(Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule Pune University)

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ELECTRONICS HARDWARE NETWORKING

ADMPMC

Advanced Diploma In Microprocessor & Microcontrollers

Duration : 1 Years – Part Time,

Eligibility : Diploma OR Degree OR B. Sc (In Electronics) OR Equivalent

Syllabus :

Theory Paper I- Digital Electronics

No System, Logic gates, Arithmetic circuits, Mux- Demux, Encoder- Decoder, Multi- vibrators, Op- amp, Latches & Flip- Flops, Counters, Shift registers, ADC, DAC

Theory Paper II- Microprocessor 8085

Architecture of a Microprocessor- 8085, Instruction Set, Assembly Language Programming, Interfacing & Data Transfer Schemes, Peripheral Devices.

Theory Paper III- Micro Controller 8051

Block diagram, Pin configuration, Instruction set, Assembly Language Programming, & 'c' Programming, Interfacing & Live Projects

Theory Paper IV- PLC & PIC

Programmable Logic Controller Instruction set, Ladder Diagram Programming

Peripheral Interface Controller Instruction, Instruction set Programming

DIE

Diploma in Industrial Electronics

Duration : 1 Year, Part Time

Eligibility : H.S.C. (Sci.) or MCVC. or ITI. Electronics / Electrical or B.Sc. or RAVS.

Syllabus :

- Theory Paper I - Basic Electronics
- Theory Paper II - Analog Electronics
- Theory Paper III - Power Electronics
- Theory Paper IV - Digital Electronics
- Practical - Basic & Advanced ■ Project

Contents : Concepts of Basic Electricity, Passive & Active Components, A.C. Theory, D.C. Theory, Simple Rectifiers & Its Circuits, regulated types of power supplies, Amplifiers, Oscillators, Photo electronics & its applications, Industrial Rectifiers, 3 Phase rectifiers, SMPS, UPS. Different types of motors, Logic Gates, Flip-Flops, Counters, Shift Registers, Arithmetic Ckts, Encoder, Decoder, Mux, De-Mux, Timer Ckts, Memories, Microprocessors, DAC & DAC Circuits.

CCRAVS

Radio-Audio-Video Servicing

Duration : 1 Year, Part Time Eligibility : S.S.C. Pass / Fail

- Theory Paper I – Radio-Audio Servicing
- Theory Paper II – Video Servicing
- Practicals and Project

Contents : Introduction to Tools, Basic Electronics & Electrical Principles, Passive, Active & SMD Components, Measuring Instruments, Rectifier, Power Supplies, Amplifiers, Oscillators, Telecommunication System, Radio receivers & Fault Finding, T.V. Broadcasting system & T.V. receivers, its different types & Fault Finding, VCD/DVD player - Its operating system, Servo system & Fault Finding.

ELECTRONICS HARDWARE NETWORKING

ADCHN

Advanced Diploma in Computer Hardware and Networking

Duration : 2 Years, Part Time

Eligibility : S.S.C. Pass

1st Year - Syllabus :

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Licentiate in Computer Hardware Maintenance LCHM

Duration : 1 Year, Part Time

- Theory Paper I – Basic Electronics & Digital Techniques
- Theory Paper II – Microprocessor & Peripheral Devices
- Theory Paper III – Computer Hardware Maintenance
- Practicals & Project
- Contents : Basic, Analog, Digital Electronics, Test Instruments, Microprocessor 8085 ■ PC System - Assembly, Installation, Maintenance, Fault finding & Upgradation ■ I/O Peripheral Devices – keyboard, Mouse, SMPS, UPS, Monitor, Scanner, Printers, WebCam
- Drives – Hard disk, CD/DVD drive, Removable drives, Pen drives.
- Wireless Devices ■ Component Level Fault Finding ■ Installation of OS, Application Softwares, Utilities, ■ Antivirus, Diagnostic tools ■ Data Recovery ■ Internet ■ Laptop & Portable Technology
- Introduction to Networking ■ Allied mechanics – Tools, Cutting, Punching, Drilling, Filing, Threading

2nd Year - Syllabus :

- Theory Paper IV – Motherboard II & Laptop Repairing
- Theory Paper V – Basic Networking
- Theory Paper VI – Advanced Networking
- Practicals & Field work
- Contents : Laptop & Portable Devices ■ Motherboard & Laptop Chip Level Repairing ■ Basic Networking ■ Types of Cables & uses
- Crimping & Punching ■ Network Essentials, Types – LAN, WAN, MAN ■ Models - Peer & Client Server networks ■ Network Operating Systems ■ Protocols ■ Advanced Networking ■ Workgroup, Peer to Peer ■ Client-Server - Installation & administration ■ Installation, Configuration & troubleshooting of modem, routers, switches, Access point & wi-fi routers
- Operating Systems – Windows, Linux ■ Wi-fi technology
- Routing Protocol, VLAN, NATING Concepts ■ Network Security
- Monitoring tools ■ Set up of Linux Network Attached Storage ■ Set up of WAMP & LAMP ■ Set up of open source applications based on WAMP and LAMP ■ Installation and configuration of Web servers & Database servers ■ Scripting - Batch, PowerShell and Shell scripting
- Introduction to Cloud Computing

DETT

Diploma in Electronics Troubleshooting Techniques

Duration : 1 Year, Part Time Eligibility : S.S.C. Pass / Fail

Syllabus :

- Theory Paper I – Basic Electronics
- Theory Paper II – Applied Electronics
- Theory Paper III – Principle of Electronics Troubleshooting Techniques
- Practicals & Project

Highlights : • PCB Designing – manual • AM-FM Receivers

• Audio Systems – 5.1 Sound system, USB Players

• Video Systems - CTV • LCD TV • DVD Players

• Fault Finding • Test Instruments • Introduction to - Electric Home Appliances Troubleshooting, AC/Refrigeration, Security Systems, Inverter/UPS, LED/Plasma TV, Home Theatre • Allied mechanics – Tools, Cutting, Punching, Drilling, Filing, Threading

Savitribai Phule Pune University

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Autonomous

COMPUTER SOFTWARE GRAPHIC - WEB ANIMATION

Autonomous

DGD

Diploma in Graphic Design

Duration : 1 Year, Part Time Eligibility : S.S.C. Pass

Syllabus

- Fundamental of Computer ■ Concept of Graphic design,
- Basic study of Visual Art, ■ Visual thinking ■ Principles of Design,
- Improve drawing skills, Perspectives, Sketching, Object & nature drawing ■ Color Theory ■ Typography, Calligraphy.
- Principles of Layout ■ Logo Design, Stationary Design, Brochure Design, Advertise designing, Press layout, Posters, Hoarding, Magazines, Book layout, Book cover page design, Corporate presentations.
- Preparing Artwork for printing
- Printing processes & techniques.
- Workshop & Project
- Softwares : Corel Draw, Photoshop, Page Maker, Shree Lipi/Leap, Illustrator, InDesign.

DWDIP

Diploma in Web Design & Internet Programming

Duration : 1 Year, Part Time Eligibility : S.S.C. Pass

- Fundamentals of Computer System & OS
- Network & Communication fundamentals
- Internet Explorer ■ Fundamentals of Web Page Designing
- Hypertext Markup Language HTML5, CSS3
- Front Page
- Dreamweaver ■ Flash
- Graphic Designing - Corel Draw & Photoshop
- UI Design
- DHTML, DataBase - MySQL
- Java Script ■ PHP
- Responcive web site - Bootstrap
- Content Management Syatem - CMS - Wordpress
- Web hosting - uploading, downloading web site
- SEO ■ Project.

DCAT Diploma in Computerized Accounting & Taxation

Autonomous

Duration : 1 Year, Part Time Eligibility : SSC Pass

- Fundamentals of Computers ■ OS – Windows ■ Internet Concepts ■ Cloud Computing ■ Network and Communication fundamentals ■ MS-Office ■ MS-Word, MS-Excel, MS-PowerPoint.
- Outlook Express ■ Advanced Excel ■ Introduction to DataBase Management System
- Computerized Accounting - Tally ■ Introduction to E-Commerce & Internet Banking
- Tally with Taxation – VAT, TCS, TDS, Service Tax, Excise Duty, CST. Introduction to Income Tax, Professional Tax.
- Communication skills, Personality Development, General etiquettes, Interview techniques, Prepare CV or Resume, Find job.

COMPUTER SOFTWARE GRAPHIC - WEB ANIMATION

Autonomous

DGDA

Diploma in Graphic Design & Animation

Duration : 2 Years, Part Time. Eligibility : S.S.C. Pass

1st Year : Syllabus – Graphic - Web Design

- Basic Art, Improve drawing skills, Perspectives, Object & Nature drawing, Sketching ■ Concept of Graphic design ■ Visual Art ■ Visual thinking ■ Principles of Design ■ Color Theory ■ Typography, Calligraphy ■ Principles of Layout ■ Logo Design, Stationary Design, Brochure Design, Advertising designing, Press layout, Posters, Hoarding, Magazines, Book layout, Book cover page design, Corporate presentations ■ Artwork for printing
- Printing processes & techniques
- Introduction to Photography
- Softwares : Corel Draw, Photoshop, Page Maker, Shree Lipi/Leap, Illustrator, InDesign.

Syllabus – Web Page Design

- Fundamentals of Web Page Designing ■ HTML
- Front Page ■ Dreamweaver ■ Flash

2nd Year : Syllabus – 2D, 3D Animation

- Concept, Principles and Types of animation, Sketching
- Pre-production - Story writing, Scripting, Story boarding, Character Designing, Modeling, Background Layout, Audio Track
- Production - Templets, Staging, Animation
- Post-production - Mixing & Editing, Final Output
- Animation to text, drawings, and still images
- Introduction to 3D animation
- Working with Audio, Video editing. Action script.
- Software – Flash, Photoshop, Introduction to 3D Max.
- Workshops & Project

MSBVE - Maharashtra State Board of Vocational Examinations

Web Page Designing - WPD

Duration : 6 Months, Part Time Eligibility : S.S.C. Pass

Syllabus :

- Fundamentals of Computer System & Operating System.
- Network & Communication fundamentals
- Internet Explorer ■ Fundamentals of Web Page Designing
- Hypertext Markup Language (HTML) ■ Front Page
- Dreamweaver ■ Flash

Computerized Accounting & Office Automation - CAO

Duration : 6 Months, Part Time Eligibility : S.S.C. Pass

Syllabus :

- Fundamentals of Computers ■ Operating System – Windows XP or Higher ■ Internet Concepts ■ Network and Communication fundamentals
- MS-Office ■ MS-Word, MS-Excel, MS-PowerPoint, Outlook Express
- Advanced Excel ■ Introduction to DataBase Management System
- Computerized Accounting - Tally ■ Introduction to E-Commerce, Internet Banking, Cloud Computing.

Multimedia Animation Technology - MAT

Duration : 6 Months, Part Time Eligibility : S.S.C. Pass

Syllabus :

- Multimedia and Internet ■ Concept of Graphics
- Basic Art, Improve drawing skills
- Concept, Principles & Types of animation
- 2D, 3D animation, story boarding
- Working with Audio, Video editing, Action script.
- Software – Flash, Photoshop, 3D Max
- Workshops & Project

ARCHITECTURE & CONSTRUCTION

DAD-I

MSBVE Approved
HSC Equivalent

Diploma in Architectural Draughtsman

Duration : Two Year **Eligibility :** S.S.C. 1st Class **Syllabus :** (First Year)

- **English :** Communication Skills, Grammar, Comprehension, Compositions, Letter Writing, Prose & Poetry, etc.
- **Entrepreneurship :** Concept, Function, need, characteristics and competency, Entrepreneurial pursuits and Human activities, values and motivation, market dynamics, etc...
- **Computer Applications:** Fundamentals, Operating System, Word, Power-Point, Excel, Networking & Internet Utilities.
- **Building Materials and constructions :** Stone, Bricks, Cement, Mortar, Concrete, Steel, Flooring, Adv. Building Materials Timber,
- **Building Drawing & CAD :** Projections, Views, Building-Bye laws, Plinth, Plan, Elevations, Sections, Building Bye-Laws & Standard Norms, Development of Line plan, working drawings, etc...
- **Architectural Drafting and Estimating Costing :** Design Principles, Orientation, Sun path diagram, Space planning, Graphic presentation, Submission drawing, Perspective view of building, etc.

DAD-II

Syllabus : (Second Year)

- **English :** Prose, Poetry, Grammar, Articles, Speech, Letter writing, email and business letters, compositions, Presentation etc.
- **Entrepreneurship :** Opportunities and enterprise creation, Planning and resourcing, Management Market Mix, Finance Discipline, Personnel management, Report Writing, etc....
- **Computer Applications:** MS Access, Data Tables, Creating Queries, Forms and reports, Sharing Data Applications.
- **Building Materials and constructions :** Shallow & Deep Foundation, Excavation, Foundations, Pile spread footing, raft grillage foundations, Excavation plain Cement concrete, Ready-mix concrete laying, compaction, curing, Stone & Brick masonry, scaffolding, Lintels & sills, Reinforced cement concrete, Centering & formwork, Pointing & plastering, Painting, Stairs, Roofs, Flooring Doors, and windows, Auto-Cad, 2D & 3D Commands, Creating 3D model of Building, etc...
- **Building Drawing and CAD :** Use of computer systems in various domains, Auto CAD 2D & 3D commands, Creating 3D model of Building
- **Architectural Drafting and Estimating Costing :** Approximate & Detailed estimate, Working out of quantities for RCC work, modes of measurements, Rate analysis, Specifications, Tender document and tender notice, Conditions of contract, Payment to contractors, Procedure of Execution of work in P.W.D.

DBSS

Diploma in Building Site Supervision

Autonomous

CBSS

Certificate Course in Building Site Supervision

Duration : One Year, **Eligibility :** SSC Pass

MSBVE Approved

Syllabus :

- **Material and construction-** Stones, Bricks, Cement Concrete Steel, Flooring, Timber, R.C.C. Structure Construction details etc.
- **Surveying -** Chain, Compass Plain Table, Theodolite, Dumpy Level
- **Quantity Surveying -** Approximate Estimate, Detailed estimate, Working out quantities for RCC work, Mode of measurement, Rate analysis Specifications, Tender documents & Tender notice, Conditions of contract etc.
- **Site Visits, Practicles & Project**

ARCHITECTURE & CONSTRUCTION

DAD

Autonomous

Diploma in Architectural Draughtsman

Duration : 1 Year **Eligibility :** S.S.C. Pass

Syllabus :

- **Materials & Construction :** Various building materials used in construction, Complete RCC Construction
- **Surveying :** Chain, Compass, Plane Table, Dumpy level etc.
- **Quantity Surveying :** Complete estimate of Residential Building, Specifications, Measurement & Abstract Sheet
- **Drawing - I:** Scales, Projections, Plans, Perspective & Model Making, Presentation, drawing, Isometric Views
- **Drawing - II :** Working & Submission drawing.
- **AutoCAD -** Working & presentation drawings using Auto-CAD 2D & 3D Commands.
- **Site Visit & Projects.**

DDD

Autonomous

Diploma in Digital Draughtsman

Duration : One Year

Eligibility : S.S.C. Pass

Syllabus :

- **Building Construction :** RCC, Structure, Foundation, Construction details etc.
- **Building Drawing:** Submission, working & presentation Drawing, Isometric & 3D Views
- **Planning :** Designing a residential building, Bye laws, Services, Landscape representations, Furniture layout.
- **Auto Cad** working & Presentation drawings using AutoCAD commands. 2D and 3D, Dimensioning sub commands

ADIDD

Autonomous

Advanced Diploma in Interior Designing & Decoration

Duration : One Year **Eligibility :** DIDD Passed or Equivalent

Syllabus :

- **Drawing & Designing -** Interior design of commercial spaces, Working & Presentation drawings, 3D Views.
- **Materials and construction -** Advanced study of materials used in Interior & exterior designing, Construction details of all types of interior works.
- **Professional Practice :-** Role, ethics, laws & rules in profession of interior designing, Working out quantities of materials & their estimate.
- **Quantity Survey :-** Quantity & estimation of all interior work
- **Services :-** All types of services in details required in interior & exterior designing.
- **3D Max :-** 3Ds Modelling animation, lighting effects
- **Case Study Market Survey & Project.**