



M. E. S. KALLADI COLLEGE

MANNARKKAD COLLEGE P.O., PALAKKAD DT., KERALA-678 583

Govt. Aided college affiliated to University of Calicut

Re-Accredited by NAAC with 'A' Grade

web: www.meskalladicollege.org

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MES Since 1964

Ref: MESKC/CCS/12/2016-17

Date

CERTIFICATION COURSE

Office Automation

Coordinator: Dr. Sanjeev Kumar

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: PERSONAL COMPUTER SOFTWARE TOOLS:-

History of MS office, Basics of MS Word, MS Excel, MS Power point

Module 2: :- INTERNET:-

Internet and mobile, world wide web, Communication and data transfer through internet, Social networking and entertainment

Module 3: COMPUTER SCIENCE AND OPERATING SYSTEM :-

Introduction, Different types of Operating systems, DOS, Windows




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MES Since 1964

Ref: MESKC/CCS/07/2016-17

Date

CERTIFICATION COURSE

Professional Programmer

Coordinator: Dr. Sanjeev Kumar

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: Creating and Distributing Packages:-

Using *pip*, Basic directory structure, The *setup.py* file, Sharing, storing, and installing packages, Documentation, License, Testing principles and techniques

Module 2: Object-oriented design principles and the concept of design patterns:-

The *Singleton* Design Pattern, The *Factory* Pattern, The *Façade* Pattern, The *Proxy* Pattern, The *Observer* Pattern, The *Command* Pattern, The *Template Method* Pattern Model-View-Controller, The *State Design* Pattern

Module 3: Python Network Programming:-

Python Socket Module, Introduction to sockets, Server Socket Methods, Client socket methods, General socket methods, Client-Server vs. Peer-to-peer, Other Internet nodules




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Ref: MESKC/CCS/01/2016-17

Date

CERTIFICATION COURSE

RDBMS Concepts

Coordinator: Ummu Habeeba

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1:RDBMS INTRODUCTION:-

Introduction, What is RDBMS, Difference between DBMS and RDBMS

Module 2:SQL CONSTRAINTS:-

Dropping constraints, Integrity constraints,SQL clauses,Modules

Module 3:DATA INTEGRITY:-

Integrity types: Physical integrity,Logical integrity, Databases, File systems




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Ref: MESKC/CCS/02/2016-17

Date

CERTIFICATION COURSE

Seeding Preparation in Trays

Coordinator: Ummu Habeeba

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: METHODS OF SEEDING:-

Drill seeding, Broadcasting, Dibbling, Hill dropping, Check row planting


Module 2: SEED ANATOMY:-

Plumule, Hypocotyls, Radical(Tap Root), Cotyledon, Epicotyls

Module 3:SEED PRODUCTION:-

Flowering and Pollination, Hybrid seed production, Genetic Purity, Harvesting




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Date

CERTIFICATION COURSE

Tally 7.3

Coordinator: Ummu Habeeba

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: BASIC ACCOUNTING:-

Debit and Credit accounts, Payment Entry, Receipt Entry, Journal Entry, Balance sheet creation,

Module 2: GETTING FUNCTIONAL WITH TALLY:-

Tally.ERP 9 Start-up, Tally.ERP 9 Screen Components, The Tally.ERP Clock, Switching between Screen Areas

Module 3: FUNDAMENTALS OF TALLY:-

Getting Functional with Tally Creation / Setting up of Company in Tally




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Ref: MESKC/CCS/14/2016-17

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CERTIFICATION COURSE

Vermi Composting

Coordinator: Dr. Sanjeev Kumar

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: VERMICULTURE:-

Method of preparation of Vermicompost, Multiplication of worms in large scale
Production methods: Bins, Windrows, Troughs, Pits

Module 2: MAINTANANCE AND USE:-

Bedding, Feeding, Other maintainance

Module 3: METHOD FOR VERMICOMPOSTING:-

Vermi composting of wastes in field pit, Vermi composting of wastes on ground
heap method, Vermi composting of wastes on improved method




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Ref: MESKC/CCS/10/2016-17

Date

CERTIFICATION COURSE

Adv. Java

Coordinator: Ummu Habeeba

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: PROGRAMMING AND CLASSIC DATA STRUCTURES:-

Generics in Java, Generic Functions, Advantages of Generics, Stack, Queue, Linkedlist

Module 2: DATABASE PROGRAMS:-

ADABAS, IBM DB2, MS SQL Server, MySQL, Oracle

Module 3: JDBC:-

Application Programming Interface (API) ,programming language Java, how a client may access a database.




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Date

CERTIFICATION COURSE

Web Designing

Coordinator: Dr. Sanjeev Kumar

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: Explaining Internet:-

Explaining the internet, Elaborate World Wide Web, Designing a Website, Develop Website using Client Side Scripting Languages.


Module 2: Website Planning:-

Plan Website and Explain Software Development, Life Cycle for Web Applications, Use Databases in Web Development.

Module 3: Website Development:-

Develop Website using Server Side Scripting Languages, Design and Present Final Project, Perform Duties and Exhibit rights at the Workplace.




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Ref: MESKC/CCS/04/2016-17

Date

CERTIFICATION COURSE

Accounting Package

Coordinator: Dr. Sanjeev Kumar

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: Business Accounting:-

Business accounting is the systematic recording, analyzing, interpreting and presenting of financial information. Accounting may be done by one person in a small business, or by different teams in large organizations. Accounting is the way a business keeps track of its operations.

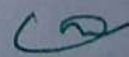
Module 2: Trading Account:-

Trading account assets refer to a separate account managed by banks that buy U.S. government securities and other securities for their own trading account or for resale at a profit to other banks and to the public, rather than for investment in the bank's own investment portfolio.

Module 3: Advanced Accounting:-

Advanced accounting covers accounting operations, patterns, merger of public holding companies, foreign currency operations, changing financial statement prepared in foreign and local currencies.




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Ref: MESKC/CCS/11/2016-17

Date

CERTIFICATION COURSE

Animation

Coordinator: Dr. Sanjeev Kumar

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: ANIMATION:-

Traditional animation, Full animation, Limited animation, Stop motion animation
Forms and methods of virtual reality, software and hardware, Applications of
virtual reality

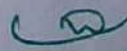
Module 2: GAMING:-

Creating game animation, Working in games, Graphics acontroll of gaming

Module 3: BASIC OF 2D AND 3D ANIMATION:-

Introduction to 2D and 3D Animation




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Ref: MESKC/CCS/18/2016-17

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CERTIFICATION COURSE

Arabic Translation

Coordinator: Ummu Habeeba

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: ARABIC TO ENGLISH TRANSLATION:-

Basics of arabic language, basics of arabic to english translation.

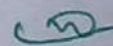
Module 2: TRANSLATION PRACTICE:-

Understanding the changes of translation methods, simplifying the translation.

Module 3: INTRODUCTION TO ISLAMIC TRANSLATION:-

Theoretical Model For Islamic Translation




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Ref: MESKC/CCS/15/2016-17

Date

CERTIFICATION COURSE

C Programming

Coordinator: Dr. Sanjeev Kumar

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: INTRODUCTION TO C PROGRAMMING:-

Datatypes, Constraints, Keywords, Program structure,

Module 2: Operators and Functions-

Arithmetic operators, Increment and decrement operators, Relational operators, Logical operators, The bitwise operators, User defined and Predefined function, Modules

Module 3: DATA STRUCTURES IN C:-

Array: one dimensional, two dimensional, multi dimensional, Stack, Queue, Tree, Graph, Linkedlist




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Ref: MESKC/CCS/19/2016-17

Date

CERTIFICATION COURSE

C++

Coordinator: Ummu Habeeba

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: INTRODUCTION TO C++ :-

Datatypes, Constraints, Keywords, operators, types of operators


Module 2: DATA STRUCTURES IN C++:-

Array, Stack, Queue, Tree, Graph, Linkedlist

Module 3: PROGRAMMING PRACTICE:-

First C++ Program, Sum and average of N numbers, number of words in a sentence




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Ref: MESKC/CCS/03/2016-17

Date

CERTIFICATION COURSE

Computer Application

Coordinator: Dr. Sanjeev Kumar

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: Exploring the Computer:-

Computer – definition - Computer users - Computer for individual users -
Computer for organizations - Computer in society –Components of Computer -
input unit - output unit - storage unit CPU- ALU - control unit - registers -
computer hardware – System software - Application software.

Module 2:Computer systems:-

Computer systems - Types of Computer systems- Micro, Mini, Mainframe and
Super Computers - Analog, Digital and Hybrid Computers - Business and
Scientific Computer systems - First, second, third and fourth generation Computers
- Laptop and notebook Computers

Module 3:Data Processing:-

Computer data - Information – Data Processing - Data Storage and Data retrieval
capabilities – storage devices - primary memory - RAM, ROM, PROM, EPROM,
cache memory - secondary memory - magnetic tape, hard disk, Compact disks -




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Ref: MESKC/CCS/13/2016-17

Date

CERTIFICATION COURSE

Corel Draw

Coordinator: Dr. Sanjeev Kumar

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: LEARN CORAL DRAW:-

Introduction to coral draw, CDR file format, Use of CDR files, Structure of CDR file, Application supporting CDR file

Module 2: DIVINE PROPORTION:-

Drawing the parts of the geometric mannequin, Reducing the number of objects by welding them, Trimming shapes to obtain movement in the joints, Changing the mannequin's poses, Designing your own fashion with basic shapes

Module 3: Drawing and Coloring:-

Introduction, Selecting Objects, Creating Basic Shapes , Reshaping Object, Organising objects, Applying Colour fills and Outlines




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Ref: MESKC/CCS/16/2016-17

Date

CERTIFICATION COURSE

Fashion Designing

Coordinator: Ummu Habeeba

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: FASHION DESIGN:-

Introduction to fashion design, Designing concept, Fashion terminology.

Module 2: FASHION COMMUNICATION:-

Fashion communication in NIFT, fashion communication and promotion, NID and NIFT

Module 3: Computer Aided-Design:-

CAD Fashion Design, Applications of CAD Fashion Design, features of CAD fashion design




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Ref: MESKC/CCS/05/2016-17

Date

CERTIFICATION COURSE

Garden management

Coordinator: Dr. Sanjeev Kumar

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: Gardening Basics:-

Soil type, soil evaluation & soil improvement: learn about the different types of natural soil and additional plant mixers which can be used to stimulate plant growth.


Module 2: Garden Design Process:-

To discover the importance of the initial consultation, ongoing discussions, clarity and onsite analysis.

Module 3: Garden Design Styles:-

The importance of gathering inspiration daily from all avenues of your life, nature, other gardens, books, online and your creative inspiration.




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Ref: MESKC/CCS/09/2016-17

Date

CERTIFICATION COURSE

Graphic Designing

Coordinator: Dr. Sanjeev Kumar

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1:INTRODUCTION TO COMPUTER GRAPHICS:-

Definition, Pixel, Framebuffer, Raster and random scan display, Display devices

Module 2:TYPOGRAPHY ANATOMY:-

Typographic definitions, Typeface and font, Typeface classification

Module 3:COLOR MODELS AND COLOR APPLICATIONS:-

Different types of color models, RGB, CMY, YIQ, Introduction to GIMP, Image manipulation using GIMP



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CERTIFICATION COURSE

Mushroom Cultivation

Coordinator: Ummu Habeeba

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

Module 1: INTRODUCTION TO MUSHROOM CULTIVATION:-

Importance of mushroom cultivation, Uses of mushroom cultivation, Mushroom cultivation initiates in india

Module 2: MUSHROOM CULTIVATION:-

Introduction composting and cultivation, The composting diagram, The cultivation diagram, nutritional value of mushrooms

Module 3:Mushroom Cultivation Techniques:-

Pack The Plastic Bags, Incubation, Fruiting, Harvest.




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Ref: MESKC/CCS/06/2016-17

Date

CERTIFICATION COURSE

NET Technologies

Coordinator: Dr. Sanjeev Kumar

Duration: 3 Months

Year: 2016-17

Eligibility: +2

Syllabus

- **Module 1: Familiarize .NET Platform:-**

Core C# Programming, Object Oriented Programming, HTML 5, JavaScript, CSS3, ASP.NET Web Application Development, State Management, Customizing Web Applications, ADO.NET, Handling Emails, Introduction to Advanced technologies in ASP.NET


- **Module 2: C# Advanced Features:-**

Authentication and Authorization, AJAX and JQuery, Language Integrated Query, Entity Framework, MVC, SQL Server Reporting Services (SSRS)

- **Module 3: Introduction to Microsoft SQL Server 2012:-**

Introduction to T-SQL Querying, Writing SELECT Queries, Querying Multiple Tables, Sorting and Filtering Data, Working with SQL Server 2012 Data Types etc.




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