BISMARCK

TECHNOLOGY & LEARNING INSTITUTION LIMITED

Every Life, Every Moment, Every Day, A New Discovery…

BISMARCK SPONSORSHIP ONLINE TUITION COURSES

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BISMARCK

MICROSOFT ACCESS COURSE

DURATION: 2 WEEKS

FORMAT: WEB/PDF PLUS VIDEO LECTURERS

CERTIFICATE OF COMPLETION

What is Microsoft Access?

Microsoft Access (nearly shortened to **MS Access**) is a DBMS (database management system) from Microsoft that combines the relational Microsoft Jet Database Engine with a graphical user interface and software-development tools. It is a member of the Microsoft Office suite of applications and is included in the professional and higher editions or sold separately.

In addition to MS Access having its own database format, MS Access can also import or link directly to data stored in other applications and databases. Software developers and data architects can use it to develop application software, and 'power users' can use it to build simple applications. As with other Microsoft Office applications, Access is supported by Visual Basic for Applications, an object-oriented programming language that can reference a variety of objects including the legacy DAO (Data Access Objects), ActiveX Data Objects, and many other ActiveX components. Visual objects used in forms and reports expose their methods and properties in the VBA programming environment, and VBA code modules may declare and call Windows operating-system functions.

Software developers and **data architects** can use it to develop application software, and "power users" can use it to build simple applications. As with other Microsoft Office applications, Access is supported by Visual Basic for Applications (VBA), an object-oriented programming language that can reference a variety of objects including DAO (Data Access Objects), ActiveX Data Objects, and many other ActiveX components. Visual objects used in forms and reports expose their methods and properties in the VBA programming environment, and VBA code modules may declare and call Windows operating system functions.

Before the introduction of Access, the database market was dominated by Borland with their Paradox and dBASE programs, and FoxPro. Microsoft Access was the first mass-market database program for Windows. With Microsoft's purchase of FoxPro in 1992 and the incorporation of Fox's Rushmore query optimization routines into Access, Microsoft Access quickly became the dominant database for Windows—effectively eliminating the competition which failed to transition from the MS-DOS world.

Microsoft Access tables offer support for a variety of standard field types, indices, and referential integrity, which includes lists of cascading updates and deletes. MS Access also comes with a query interface, forms to display and enter data, and reports for printing.

Components of Microsoft Access

Below are the major components of MS Access:

1. **Tables:**
   Tables are responsible for storing information within the database. Tables in access link together depending on the relationships within your data. Each column has a name or the top, and each row has a number.

2. **Relationships:**
   Relationships give meaning to tables. It is essentially the "connections" or "bonds" that are formed between tables. Tables can be related to one of the other/ one-to-many, one-to-one and many-to-many.

3. **Forms:**
   In Access a form is a database object that can be used to create a user interface for a database application.

4. **Reports:**
   Once data is entered into the database, you can run reports to view, summarize or format the data the way you want. Queries and forms can not only create reports but information you want to compute, Access assisting the report.

5. **Queries:**
   In access you can retrieve data by creating a query. When querying you can sort, collate filter. Queries allows you to specify certain field and match an answer from the whole database.

6. **Macro:**
   A macro in access is a tool that can be automated. Macros perform a series of actions based on when a macro is clicked. Macros can be assisted to forms, reports, controls, queries, action, buttons and you could create your own macro.

7. **Modules:**
   Modules are containers for code in Access. There are two types of modules, the standard, the class standard module. The standard module allows you to access code used several area of your database. The class module is stored within forms, reports, section values, run queries and create your own section.

Features of Microsoft Access

Some of the features include:

1. Queries

The Query Wizard is another feature for fetching data. When a user clicks the button for this feature, Access creates an automatic request to the database and sends it to the Wizard's system. Access users rely on this tool and the query grid for retrieving their stored data. The SQL window is another feature that offers alternatives to the query grid. Users familiar with SQL syntax can write this language themselves. When a query involves complex questions, the "Run" button on the toolbar.

2. Reports

In Microsoft Access, a report means a report from a selected table or other data source with a single click. Users click a table in the navigation pane, then click the Report Wizard's icon on the toolbar to execute the request, which prompts users with a series of questions. After these selections, Access generates the document.

3. Import And Export

This feature is for importing existing data; it is the act of tools under the "External Data" section heading. Once this button is selected, Access allows users to import data into a file. By clicking it, Access starts displaying a wizard that guides them through the process of entering data into the computer. The Export function is handled in a similar fashion.

4. Forms

An effective way of entering data into an Access database is named forms. The essential first way of Access that lets users choose. For the operations of this task for creating tables. Users click a form's icon and select the items they want to enter into the system before the "Run" button is clicked.

Benefits of Microsoft Access

1. It is ideal for individual users and smaller teams.

2. MS Access is easier to use than regular client-server databases.

3. It allows you to import and export to other Microsoft Office and other databases.

4. It presents you with ready-to-use templates for regular users to create and publish data.

5. It offers you a more friendly feature for automation.

6. Microsoft Access software developers to create custom solutions using codes written in VBA.

7. MS Access allows output Reports to be presented in PDF format.

8. It allows for the building and publishing of Web databases effortlessly.

9. MS Access offers a quick and easy way to create database forms.

10. Microsoft Access presents users with a user-friendly application through its comprehensive programming language VBA.

11. MS Access produces a flexible and easily scalable database system.

12. MS Access is not expensive so you can get high end data.

Benefits of Microsoft Access | Data Warehouse

Why Study Microsoft Access?

1. MS Access is smart to use than regular clickserved databases.

2. MS Access offers a quick and easy way to create database systems.

3. MS Access is very useful for business of every size so knowledge of it is a very big benefit.

4. Job opportunities and career advancement.

Microsoft Access Course Outline

BISMARCK

TECHNOLOGY | LANGUAGE | ENTERTAINMENT | EDUCATION

How to Turn Words Into the Most Powerful

MICROSOFT WORD COURSE

DURATION: 2 WEEKS
FORMAT: WEBPDF PLUS VIDEO LECTURERS

CERTIFICATE OF COMPLETION

What is Microsoft Word?

Microsoft Word is a software application developed by Microsoft Inc. which allows users to type, edit, format and print out text images. It is a word processing software package available in most desktop, names, newspapers, resumes, tables and presentations just to mention a few.

Microsoft Word is also known as **Word or MsWork**. It is flexible and one of the most used word processing software developed and marketed by Microsoft Inc.

Microsoft Word or MsWord provides an increasing variety of activities to your documentation needs, ranging from a simple letter, to a colorful brochure, an official portfolio for a product, quotations for a service, the list is endless.

Benefits of Microsoft Word

The benefits of Microsoft Word is endless, some of which are:

1. Microsoft Word offers an easy-to-use interface for the user to type or, you can use the visual representation.

2. Microsoft Word can easily integrate with other Microsoft Office program.

3. Microsoft Word offers continuous improvement to the user and its programs.

4. Microsoft Word lets you create simple word processing documents such as letters, memos, tables, presentations, etc.

5. Microsoft Word allows for, or can integrate to help you insert numerous complex files, like multimedia and presentation such as calendars, greeting cards, brochures, etc.

6. Microsoft Word helps to simplify letter and office documents creation of student project.

7. It offers an interface for content search and citations.

8. It offers advanced word proofing tools.

9. It allows users to insert files or other works.

10. It offers mail merge.

11. It offers clip arts.

12. It offers background packaged technologies mapping from template to create shortcut or selecting documents, and any other user interface enhancements.

13. It offers shortcut layout.

14. It offers packaged templates making it easy to open a save, and add document to other formats that are compatible with Microsoft Word.

15. It offers auto-recovery and formatting of spacing, auto-correction, error checker, etc.

16. It offers real-time rendering of the text which updates the content on the page changes making editing and editing tools of documents a unify and smoothly.

17. It offers saving and exporting documents to various formats.

The features of Microsoft Word are endless, some of which are:

1. Type, Edit, Reset Content, Information, or Material.
2. Develop a Backup Archive
3. Access Conflict Sources
4. Add Contents
5. Proofing Tools
6. Create More Impactful Documents
7. Improve Editing Skills
8. Design Documents Using Formatting Tools
9. Edit PDF Files and Contents
10. Mail Merge
11. Find a Feature
12. Insights and Advanced Templates
13. Customized Application Workspace Toolbar Layouts
14. Integrated Graphics Drawing and Image Manipulation
15. Manage Big Document Workflows
16. Robust Replace Support
17. Telework Mode
18. Text Bars
19. Team Coalup
20. Collaborative Tools and Features
21. Sharing Capabilities
22. Customize Application
23. Track Changes
24. Commenting and Reply Options
25. Major Integration

Benefits of learning Microsoft Word

1) **Extreme readability:** Whether you are studying, freelancing, or from your office or even at school, Microsoft Word is one of the most readable software programs that is found in almost all computers. Since it is one of the most widely used computing training software program in thousands of fashion that the words are easy and readable in the design of anyone, that you are sharing your document with, even if they are using the same kind of the word. Also, Microsoft Word tools gives the user the feature to make, save and share the documents in other format that are not compatible with the system but once you are using Microsoft Word then you have no worries in sending your work and files to other items because Microsoft Word is one of the most readable formats that there is and many other documents editing software are accepting it.

2) **Available in other MS Office programs:** A Microsoft Word document could be easily integrated into other MS Office software which makes the sharing of data so much easier than you are counting its elphabetic options. If you are using it with Microsoft Excel or Microsoft PowerPoint, MS Word allows you to easily import and spreadsheets too. In Microsoft Word is a great word processing software that can be easily added with Microsoft Word tool in a way that most with the work and other way that can make your work easier and more unique.

3) **Instant trip with language:** With its many function-designed options and features, Microsoft Word is all geared up at different languages. Microsoft Word is the tool that a particular word processing that can help its users in their work with documents and data entry with data with a document that would work and helps you with different languages. You can easily translate the language to your friends in a particular language word can be used in different languages that could be easy to any different language that you like and provide you with that easy documents that you want to create that easier.

4) **Variety of templates:** Microsoft Word is also great for making different types of documents. Starting with being a word processing software that allows you to make text work a variety of different types of documents that many of it easier. There are also other templates available that is the main ideal your documents once it you want easily, with many of the standards that you can find easily in the MS word that you can make your documents more beautiful and appealing either in letters, reports, and assignments.

5) **Easy to collaborate:** By staying on your file using an the drive or any SharePoint by default, you can collaborate with many other Microsoft Word feature that is in word can be readily. Microsoft Word which many others easily and to provide the things that it easy that you would work for the easy documents that you, there is an easy way can be on even easily you can make documents that easy and more collaborate.

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Microsoft Word Study

How we highlight some of the things you will learn in this course:

You will learn:

How to Create Tables, Editing, Formatting
How to Insert Bullets and Numbers
How to Insert Clipart to any document
How to Insert Graphics and Text Boxes
How to Save, Save as and Creating a New Blank sheet
How to Crop Pictures and Different Styles
How to Landscape, Portrait and Slide Columns Style
How to Type and Edit also formatting as well
How to Insert Symbols using Microsoft word
Creating, Naming, and Saving a Document
Formatting Bold, Italic, Font sizes, aligning text's
Creating line Space, Deleting word's
Line spacing, Cutting, Creating, Paragraphs
Inserting numbering and bulleting in any document
Hyperlinking, Line spacing, Creating columns
Find and Replace, Grammar and spell-checking,
Insert page break, Insert Header/ footer,
Merging cells, Changing word direction, Insert border
Insert Smart Art, Also plus printing
Font Specification, Ranges, Cases and Page Numbering

In The Full Course, you will learn everything you need to know about Microsoft Word and will receive a Certificate of Completion to showcase your knowledge and competence.

BISMARCK

MICROSOFT EXCEL COURSE

DURATION: 2 WEEKS

FORMAT: WEBSPF PLUS VIDEO LECTURERS

CERTIFICATE OF COMPLETION

What is Microsoft Excel?

Microsoft Excel is a powerful spreadsheet tool developed by Microsoft to perform calculations, analysis, tabling and visualisation of data and information. It features calculation, graphing tools, pivot tables, and a macro programming language called Visual Basic for Applications. It has been a very widely applied spreadsheet for these platforms, especially since version 5 in 1993.

The first and oldest type of computer spreadsheet was VisiCalc, the name was derived from the "visible calculator"). It was the first spreadsheet and the PC spreadsheet which made personal computers a form of business tools. It was originally made available in 1979 for the Apple II computer, and originally designed and programmed by Dan Bricklin and Bob Frankston. However, the Apple version was gradually replaced as the dominant spreadsheet program with the arrival of **Lotus 1-2-3,** which was extensively used in IBM-compatible computers running the MS-DOS operating system. Lotus 1-2-3 was also a software program that eventually overtook VisiCalc to become the new standard.

Lotus 1-2-3 was introduced by Lotus Software, it was the standard spreadsheet program in the late 1980s and was later discontinued and replaced by Microsoft Excel produced by Microsoft.

Microsoft Excel Manual © 2014, Clement Emosi

Features of Microsoft Excel

Here are some of the features Excel offers:

1. **Vitually.** The Ribbon or function bar to search for a particular value in a table.

2. **Pie Chart.** This feature is used to properly visualize the contribution of certain values to a particular diagram.

3. **Mixed or Combination Type Charts.** This function combines and displays two or more chart types or output sheet.

4. **Data Validation.** Data validation makes sure that users enter a particular set of values into a cell.

5. **FORMSSS Function.** FORMSSS is used to convert a certain number or a set of numbers that are generated in a certain way into a table.

6. **Conditional Formatting.** This feature allows the highlighting of cells of certain colors, depending on the value of the cell.

7. **Pivot Tables.** Pivot tables are used to summarize the data, and allow the user to arrange, count, and total the data stored in one table.

8. **Sorting and Filtering.** The sorting and filtering options provide the user with a method to organize the data quickly and efficiently and to find particular values.

9. **Macros.** Macros are one of the most important features in Excel that makes a task be automated, so we can apply these functions any number of times.

10. **Data Table.** The "What-if" table is used to check how changing one value affects the output.

11. **Hyperlinks.** This feature lets us create a hyperlink, which is explored when the cell is selected.

12. **Text Functions.** This offers a variety of text options such as LEFT, RIGHT, and MID functions.

13. **Date Functions.** This offers ways to handle dates properly.

14. **IF Function.** The IF function is quite useful and lets us use conditional functions at multiple instances.

15. **Basic Mathematical Functions.** These help a lot to deal with a host of basic mathematical functions such as AVERAGE, SUM, MEDIAN, MODE, etc.

16. **Financial Formulas.** You can make calculations regarding loan payments, interest rates, and so on, using the proper financial formulas.

17. **Forecasting.** Using forecasting enables us to predict certain values by identifying the trends of previously existing values.

So **in full extent,** you will have everything you need to work with Excel. And that is what it is all about. It changes the way you work with data entirely, and makes it a whole lot easier.

Add tables to your Excel sheets

In the Full extent, you will learn everything you need to know to understand the Excel sheets. And that is what it is all about. Excel tables are used to organize large amounts of data in a manner that makes the classification of Data much easier. To add or create a table, follow the steps below:

Benefits of Microsoft Excel

The benefits are numerous, some of which are:

1. It helps to properly organize information and helps to process data by the use of columns and rows with formulas and graphing tools.

2. Usually Managers, Entrepreneurs, Programmers, Clerks, Accountants, and Stock planners are in charge manage the day to day business operations like sales, calculations, organizing information, graphing tools, price tables, analysis, presentations, etc.

3. MS Excel can also be used for some advanced calculations, tabulation, sorting and ease price comparison.

4. It offers easy arrangement and storage of data.

5. It enables the generation of large amounts of data.

6. It allows a better graphical representation of data.

7. Excel helps to maximize or optimize one's efficiency by the application of formulas.

8. Excel helps to create a simple calculator/report.

9. Excel offers data formatting such as news data, edit data, filter data, sort list of data, link data, format numbers, adjust font, alter placements, and alignment.

Why Study Microsoft Excel?

1. **Increase your Earning Potential:** Having excel skills increases your options, it is logical to select a marketable skill which is what any hiring manager perceives as critical.

2. **Gain a universal skill:** Having Microsoft saves you a request from your colleagues who don't have knowledge in Excel. Increment bankers and accountants won't the only ones who rely on Excel; scientists, teachers, business owners, graphic designers, and so many other people into to the programs for help. Regardless of what you do in the office, chances are there's some way for Excel to help you do your job better, it's just a matter of figuring out what that is.

3. **Increase Efficiency:** You'll save a ton of time at your job and in your personal life and it's guaranteed to be more accurate than something you could've done by hand.

4. **Handle Complex Problems:** There's more to excel than most people ever realize, the ability to organize, analyze and forecast data, including Handling complex calculations and multivariable functions, using charts and graphs for data visualization are just some of the many awesome capabilities.

Microsoft Excel Course Outline

Microsoft Excel Basics
Microsoft Excel • Getting Started with Excel
Microsoft Excel • Understanding and Navigating Workbooks
Microsoft Excel • Saving and Sharing Workbooks
Microsoft Excel • Excel Tables
Microsoft Excel • Modifying Columns, Rows, and Cells
Microsoft Excel • Formatting Worksheets
Microsoft Excel • Worksheet Basics
Microsoft Excel • Page Layout
Microsoft Excel • Printing Workbooks

Microsoft Excel Formulas and Functions
Microsoft Excel • Creating Formulas
Microsoft Excel • Complex Formulas
Microsoft Excel • Relative and Absolute Cell References
Microsoft Excel • Functions

Microsoft Excel Working with Data
Microsoft Excel • Sorting and Filtering Data
Microsoft Excel • Data Tools and Flash Fill
Microsoft Excel • Apply Functions
Microsoft Excel • Tables
Microsoft Excel • Groups and Subtotals
Microsoft Excel • PivotTables

Microsoft Excel Advanced
Microsoft Excel • Charts and Diagrams and Comments
Microsoft Excel • Finalizing and Protecting Workbooks
Microsoft Excel • Conditional Formatting
Microsoft Excel • Macros
Microsoft Excel • Visual Basics

Microsoft Excel Exam and Certification

BISMARCK

MICROSOFT POWERPOINT COURSE

DURATION: 2 WEEKS

FORMAT: WEB/PDF PLUS VIDEO LECTURERS

CERTIFICATE OF COMPLETION

What is Microsoft Powerpoint?

Microsoft PowerPoint is a software application used to present information from simple presentations to complex multimedia presentations and projections. The program was first developed by Robert Gaskins and Dennis Austin in a software company named Forethought Inc. It was first released on April 20, 1987 and was initially launched for only Macintosh computers.

Microsoft PowerPoint later became a component of the Microsoft Office suite, powered by Microsoft Inc., first offered in 1989 for Macintosh users and 1990 for Windows users.

Microsoft PowerPoint is the one major program that are being run by Microsoft Inc. Powerpoint offer users many ways to present information from simple presentations, slants to complex multimedia presentations.

As far as Microsoft PowerPoint is concerned, it consists of the low side all of the features and templates you'll need to create and edit presentations, a **Template** is a presentation that is already prepackaged with different styles and designs etc. This option provides an easy way to start a presentation with just a simple file, only few clicks.

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Features of PowerPoint

PowerPoint has a lot of features that make it very popular and some of them are:

1. **PowerPoint & Mobile.** PowerPoint 2016 is mostly used on PCs and Macbooks but it also has mobile users on Android and IOS, Windows and IOS phones and tablet users. This makes the software to be portable yet very functional and powerful and it enables users to create their presentations from mobile devices and editions using them before going to present in front of an audience.

2. **Customizable Slides.** PowerPoint 2016 comes out of the box with templates with default color schemes. But this does not limit users from customizing their or creating their own colour schemes, templates. There are ways to create more than a million customizable slides and audiences by including animations and sounds, and lots more.

3. **Emphasized Points.** While using PowerPoint, a presenter can highlight certain point of importance during their presentation. They use the this using the highlighter, a zoom in feature that lets them zoom in a certain area of a slide they are presenting.

4. **Focused Presentations.** With PowerPoint, users can speak in front of an audience of any size with confidence, The presentation displays the slides to the audience so they can be visible to even those at the back, with the presenter having the control of the slides.

5. **Shared Presentations.** PowerPoint allows for presentations to be shared with others. This makes presentations effective mostly in consolidation especially where a presentation is to be presented by a group and every member has contributed a section of it. One can even share the presentation online or even via a presentation through the Presenter View.

Why Study Microsoft Powerpoint?

The following are some of the reasons why you should learn Microsoft PowerPoint.

1. **PowerPoint is a Reliable Program**: Over the years, PowerPoint has gotten a reputation as a reliable software program to use. Basically, this means that it works just as it should. You are not going to have to worry about it acting up on you when you are trying to use it. Because of this, you can depend on it to get the job done.

2. **PowerPoint is Easy to Share**: It is very possible to convert your PowerPoint presentation over to a pdf and then print it out if need be. The other great thing about PowerPoint is how easy it is to share with others. Whether you are sharing it by email or in person, PowerPoint makes it easy to do. You can use the fact that presentations can be shared so easily to your advantage.

3. **PowerPoint is Great for Collaboration**: Whether you are working on a school project or one for your business, the fact that PowerPoint allows you to collaborate with others is a great feature. You can work together with others to make your presentation the best that it can be.

4. **PowerPoint Can be Used for More Than Just Presentations**: Though many people use PowerPoint in order to create presentations, it can actually be used for so much more than that. You can use it to create flyers, certificates, and so much more. The possibilities are nearly endless.

5. **PowerPoint Has Numerous Features**: When it comes to PowerPoint, there are so many features that you can take advantage of. From animations to transitions, and everything in between, you can use these features to make your presentation stand out.

6. **PowerPoint Helps You to Be More Organized**: When you are using PowerPoint, you are able to keep all of your information in one place. This helps you to be more organized overall, which can be a great thing.

7. **PowerPoint Helps You to Get Your Point Across**: When you are giving a presentation, you want to be sure that you are getting your point across to your audience. PowerPoint helps you to do just that.

8. **Job Opportunity and Career Advancement**: ...

There are lots of benefits of using Microsoft Powerpoint Software for making your slides and presentations and below are some of them.

1. Powerpoint brings more energy and visual impact to your presentations.

2. Microsoft Powerpoint allows you to work with others in your team without having to wait for you turn.

3. Powerpoint allows you to add video files to your presentation to enhance the viewing experience.

4. Microsoft Powerpoint provides many new presentation features/tools wherever you need to use.

5. Powerpoint allows you to share your presentation between locations and save more on your travel time.

6. Powerpoint allows you to create engaging presentations with awesome graphics.

7. Powerpoint helps you organize your audience without unwanted distractions, affiliations and interventions.

8. PowerPoint allows you to regularly analyze your slide presentations in the most simple way.

9. Microsoft Powerpoint offers you stunning templates and themes from where to choose from.

10. Powerpoint allows you to work on multiple presentations on multiple occasions.

Microsoft Powerpoint - Introduction

Microsoft Powerpoint - Setting Up Your PowerPoint Environment

Microsoft Powerpoint - Understanding Slides

Microsoft Powerpoint - The Basics

Microsoft Powerpoint - Themes and Background Styles

Microsoft Powerpoint - Working with Slides

Microsoft Powerpoint - Working with Lists

Microsoft Powerpoint - Proofing Slides

Microsoft Powerpoint - Designing Presentations

Microsoft Powerpoint - WordArt and Shapes

Microsoft Powerpoint - Slide Master View

Microsoft Powerpoint - Working with Links

Microsoft Powerpoint - Inserting an Outline

Microsoft Powerpoint - Inserting Tables

Microsoft Powerpoint - Animating Text and Objects

Microsoft Powerpoint - Using Transitions

Microsoft Powerpoint - Using Slide Show View

Microsoft Powerpoint - Inserting Illustrations

Microsoft Powerpoint - Advanced Ways Of Inserting Pictures

Microsoft Powerpoint - Hyperlinks and Action Buttons

Microsoft Powerpoint - Inserting Objects

Microsoft Powerpoint - Viewing and Line Spacing

Microsoft Powerpoint - Checking Spelling

Microsoft Powerpoint - Reviewing Presentations and Package for CD

Microsoft Powerpoint - Creating Photo Albums

Microsoft Powerpoint - Working With Tables

Microsoft Powerpoint - Lesson And Certification

BISMARCK

QUICKBOOKS COURSE AND CERTIFICATION

DURATION: 2 WEEKS
FORMAT: WEB PDF PLUS VIDEO LECTURERS

CERTIFICATE OF COMPLETION

What is QuickBooks Accounting?

QuickBooks is an accounting software built by Intuit Corporation to manage and consolidate various financial transactions without an organization for management decision-making.

QuickBooks software is targeted mainly to small and medium-sized accounting tasks such as sales, purchase, business payments, bills payment, payroll functions, etc.

1. **Track Project Profitability.** Manage track your way by knowing exactly how much money your projects make with dashboards and time reports. You could even track project details like job add time cost, expenses, income all in one place. Plus, you can profitability track project expenses so you'll never miss a billable expense.

2. **Manage Bills.** This feature lets QuickBooks keep track of your payables so you'll always know what bills are due and owe. In addition, you can print checks, and enter bills, track status, and payment and create reports expenses. Plus, this feature creates a to-do list and adds reminders so you won't miss any due dates.

3. **Downloads Bank & Credit Card Transactions.** This feature lets you download and access your bank and credit card transactions. You can use this feature with your bank by setting up online banking. Plus, this feature categorizes and enters transactions for you.

4. **Track Income and Expenses.** Import transactions from your bank, credit cards, etc. Sort transactions into categories so you'll have easy management of your income expenses.

5. **Invoice and Accept Payments.** This feature allows you to create and send custom invoices and estimates, and track sales and sales taxes. In addition, this feature lets you accept payments, and automatically record them in QuickBooks.

6. **Manage Currencies.** Assign currencies to 2000 ranging to, you can even to pay bills and get paid.

7. **Manage Employees Product.** Both feature out into payroll and payments. Real and payment that automatically. Immediately you could do the out of employees too.

8. **Organize Your Finances.** This feature makes it simple to help you get organized and access financial data for accurate records.

9. **Multiple Users.** Collaborate real-time with other employees, give employees access to manage and work with your QuickBooks data. Plus, you have permissions and controls and limits what the could do.

10. **Track Time.** Track billable hours by employee or project and allow them to the invoices. In addition, you could set reminders to track time which makes it easier to bill your clients and pay your employees.

11. **Manage and Pay Bills.** This feature lets you save time by helping you organize manage and pay bills. Plus, you can separate personal and business and track it.

12. **Multiple Currencies.** Assign currencies to over 200 countries and ranging currencies to you, so you can pay bills and get paid.

13. **Manage Employees Product.** Both feature out into payroll and payments. Real and payment that automatically. Immediately you could do the out of employees too.

14. **Inventory.** Track products, cost of goods, and receive notifications when inventory is low. In addition, you can even adjust inventory to account for loss, theft, and shrinkage. Plus, you could run reports to see your best sellers, what's on hand, cost of goods, and more.

15. **Estimates.** Create estimates for your customers and track the status of your estimates. You could even create an invoice for your customer when they accept the estimate. Plus, you could copy estimates to purchase orders.

16. **Capital.** For funding to grow and manage, apply from QuickBooks and get a loan next business day. In addition, you can take advantage of business funding without going through a traditional bank.

Track sales and expenses
Track payments
Support for Mac25
Smartphone compatible
Pay4 and Pay Balance Sheet reports
Print checks
Pay online link to invoices
Datasource sharing
Mobile receipt capture
Print cloud
Excel data export
Send and manage bill
Smart journal entry filters
Comprehensive dashboard
Automated tax calculation
Interactive feed
Create estimates
Create and manage invoices
Smart finance tracker
Sync bank data

Automated online banking
Actionable insights

Benefits of QuickBooks

The benefits of QuickBooks are numerous, some of which are:

1. It helps in financial management planning and decision making.
2. It helps in properly account for the receivables and deposit tables.
3. It helps in providing quick reports by way of financial statements.
4. It helps in the preparation of inventory records and other financial information for reconciliation.
5. It helps in the inadequate management of funds.
6. It comes with a user[s] credit indicators (to cure this)
7. It offers features that allow you to efficiently save transactions, for every note that has previously been imported to the user's account database.
8. It offers automated reporting.
9. It allows use to convince reports the way they want thousand schedules that is at our required payment level.
10. It offers email searching (Note: that speed up browsing to a personalized and customer growth center).

In the Full course, you will learn everything you need to know about Quickbooks Accounting with **Certification of Completion** to show your knowledge high skill grand.

QuickBooks Accounting Course Outline

QuickBooks • Getting Started
QuickBooks • Using the Homepage
QuickBooks • Using Centers
QuickBooks • Company Setup
QuickBooks • Company Lists
QuickBooks • Customer Service
QuickBooks • Banking
QuickBooks • Receive Payments
QuickBooks • Make Deposits
QuickBooks • Sell Product
QuickBooks • Invoice a Customer
QuickBooks • Pay Bills
QuickBooks • Sales Reports
QuickBooks • Memorize Page Insights
QuickBooks • Customize a Report
QuickBooks • The Company Snapshot
QuickBooks • Profit and Loss
QuickBooks • Balance Sheet
QuickBooks • Video Lessons
QuickBooks • Create and Certification

BISMARCK

BASIC COMPUTER SKILLS COURSE AND CERTIFICATION

DURATION: 2 WEEKS
FORMAT: WEB PDF PLUS VIDEO LECTURERS

CERTIFICATE OF COMPLETION

A Computer: is simply an electronic device that can store, retrieve and process data.

Basic Computer Skills is the study of the fundamental components and uses of Computer (PC).

A Computer is divided into:

Hardware, which is the physical structure such as Monitor, Keyboard, Mouse, Computer Case, Motherboard, and

Software, which are set of instructions which tell the hardware what is do and how to do it, like the web browsers, word processors, games and file explorers.

Types of Computer

There are many different types of computers which include:

Desktop Computers: These types of computers have the computer case, monitor, keyboard and mouse.

Laptop Computers: is another type of computer which is battery powered computer and can be carried along because of its portability and can be used anywhere.

Tablets Computers: which are handheld and are more portable than laptops and use a touch sensitive screen for navigation and typing. e.g. iPad.

Server Computers: We also have server computers that serves up information to other computers on a network.

Features of Computer

It should be noted that Personal Computer costs in two styles: PC and Mac, with different tech and look. However, PC is the most commonly used computer and has Microsoft Windows operating system installed. Personal computer is the other hand use the like OS X Operating System Mac, and Mac also is developed by Apple Company.

A PC Computer has some parts which include the Computer Case, Monitor, Keyboard, Mouse, and Power Cord, all of which play a very important role. A Computer Laptop is portable because not necessarily have all those parts separately because they are built in. To be continuing, the Computer Case is a plastic or metal containing most of the computer parts while Desktop Computer system is just that box you point the monitor by typing during operation. Normally Backplated which is touch-sensitive pad that lets you control the pointer by placing your figure on trackpad.

When one looks inside the computer case, you will see the hard disk inside the Mother board Central Processing Unit CPU(Processor), Random Access Memory RAM, Hard Drive as well as Power Supply Unit. However, most computers have expansion slots on the Mother Board so that one can add different types of expansion cards called PCI cards.

It should also be noted that the computer hardware and software job rely on Operating System OS, which is the most important software that allows the computer to run. Nowadays, there are most commonly used Operating Systems which are **Microsoft Windows, Mac OS X** and **Linux.**

Computer-user application for the operations, otherwise known as Programs, allow one to do some tasks. Example of computer apps that are popular include **Word Processors, Web Browsers, Media Players** and **Games.** However, Mobile Apps and Desktop Apps also different, since Mobile Apps are designed for Smartphones and Tablets which can be installed the computer operations or computer app is designed to run on laptops.

In the Full Course, you will learn everything you need to know about Basic Computer Skills with **Certification** as showcased knowledge skill gained.

Basic Computer Skills Course Outline

BISMARCK

WEB DESIGN COURSE AND CERTIFICATION

DURATION: 2 WEEKS

FORMAT WEB/PDF PLUS VIDEO LECTURERS

CERTIFICATE OF COMPLETION

What is Web Design?

Web Design is the process involved in creation of standard websites. A standard website has two major sides, namely **Frontend** and **Backend** (WebDev).

In **1989, Tim Berners-Lee** at **CERN**, the European Organization for Nuclear Research proposed to develop project called a global hypertext project, that it later became what we now know as the **World Wide Web ◆ WWW**.

He later created a **first time model** and **Textonly** pages, one of which basically **Simple Editorials Browser**. Later in 1991 **Marc Andreessen** and **Eric Bina**, created the **Mosaic Browser** which was a more advanced web browser at the time.

Advantages of Studying Web Design

1. It helps students to gain both Web Markup Skills and Programming Languages skills.

2. It helps students to be able to create responsive websites.

3. It helps to gain necessary skills for building user interaction interfaces for websites.

4. Web design is a useful skillset for individuals, professionals, businesses and entrepreneurs.

5. Studying web design helps students gain what design skills such as graphic design.

6. Studying web design helps gain opportunities and serve as a source of self-employment for web entrepreneurs and freelancers.

1. Web Design helps to beautify web pages on the internet.

2. Web-Design helps us to **maintain and coordinate**

3. Web Design helps to put our brands and business on the internet.

4. It improves user interaction using mobile responsive technology because users can now browse web pages conveniently with their mobile phones.

5. Web Design plays a big role in boosting business visibility on search engines.

Web Bridge Components

Web Bridge forms store on the FrontWeb side which encompasses several aspects including:

1. Webpage Layout.
2. Content Production.
3. Document Structure.
4. Interface Functionality.

The **footweb** encompasses all:

1. Server-side data.
2. Interface Functionality.

The **FrontWeb** encompasses all:

The **Frontend** part of Website are constructing Web Graphics, a Human Language called HTML, a Presence Online Language and XHTML, a Desirable Experience Making Language. The documents within a front-end are actually referred to as Web Front Web. The websites behind are interactively on-display by an Internet Browser.

In other words: the web front side has some main parts between the front and the back. The parts that the end user interacts with via the front-end is what they see and can use directly.

There are two major ways a website can be designed or created: It can be created:

1. Statically. 2. Dynamically.

A Static Website: A website page.

A Static website contains static HTML and CSS pages including images that are readily available to the viewer. A static page when requested by the browser, will not change but rather be created exactly the same by the designer and presented exactly the same each time it is requested from the browser. The content will typically look the same, with the same layout and design, and with the same information, to every viewer. The web server responds to the request of the page as it is, with the content already stored on the server.

A Dynamic Website: a website is created on the server-side using a scripting language as they are generated. A dynamically generated site is one that is created on the fly when requested, and the content may change depending on various variables and conditions. A dynamic page when requested by the browser, will change and be generated by the server from the database. The content will typically be presented differently to different viewers, based on variables such as time, user input, or data stored in a database. Examples of dynamic websites include social media platforms, e-commerce sites, and news websites, where the content is continually updated and personalized for each user.

Some of the things you will learn in this course include:

Dreamweaver, which is a web design/development editor by Macromedia Inc. It offers a more user friendly interface for web designers and developers. You learn installation for HTML, CSS and JS Coding in an easy to understand format. This module is positioned for the web designers and developers to answer the needs of their work environment. You will learn how to design a website using the Dreamweaver interface, work on the graphics/text, enhance the graphics with CSS, and Javascript. You will also learn to populate dynamic pages especially relating to website graphics.

The HTML (Hypertext Markup Language) course module will help you understand HTML Coding, format, Keywords and related functions uniforms to make use of their text on your website in an interesting and attractive way. The user-friendly interface you learn helps makes web pages, images, info pages, home page, linking are with pages or separate images within the web pages on the same sites to another website, etc.

The CSS (Cascading Style Sheets) course module helps you understand writing of web pages and how to integrate CSS functions into HTML. The CSS helps the website with faster loading of images, text background colors and the pages. It also helps developers to make changes faster and easier relating on the web page layout, etc.

The JS (Javascript) course module which gives you understanding of design of web pages and how to integrate CSS functions into HTML. The CSS helps the website with website mobile phone and other devices smarter look. You can learn more relating to Javascript interface, functions, etc.

The Web Hosting, includes how to take the name of your website, the hosting services, various web hosting plans, process of hosting including process to upload your website on a live server. The Web Hosting also teaches you about the relations of domain names, domain names controlling, etc.

Also you learn about the Web Design Certificate to showcase your knowledge and skills.

On completion, you will have everything you need to learn about Web Design, you will be a competent **Web Designer** with **Diploma Certificate** to showcase your knowledge and competencies.

Duration: Study At Your Own Pace

Format: Web and Video Lectures

Certificate: Tech Diploma

Web Design Course Outline

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BISMARCK

FOOD TECHNOLOGY COURSE AND CERTIFICATION

DURATION: 6 WEEKS
FORMAT: WEB/PDF PLUS VIDEO LECTURERS

CERTIFICATE OF COMPLETION

Food Technology is the science that deals with the various techniques and principles involved in the processing and preservation of food substances. Food Technology is a branch of food science that is involved with the various production processes involving edible food products.

The Application of Food Science and Technology helps in producing more safer, nutritious, and wholesome food products. The study of food technology is used to develop new systems and methods for keeping food products safe and immune from natural factors such as microorganisms and bacteria. Food technology is at this stage concerned with the application of food science and helps to reduce waste in food products which produces a better view of more economical food products.

The Modern Food Processing Techniques is used for its flavor technology which aids the production of the blending and preservation of various food products. The modern food processing technology is also used to develop processes which are high blending yield preservation, processing and package. Some of the techniques that are used in post of value of food products. Some of the food processing technologies help in decreasing the product to provide an interesting consumer, the package of various, methods such as instant aseptic sugar, recombined food products and formulation food products which provides some technology on the various techniques which helps in the making of foods new development from a life blending products.

Various food processing industries are involved in the process of food technology such as:

1. Primary and Secondary processing.
2. Quality Management.
3. Preservation.
4. Packaging, and
5. Labelling of a variety of products such as dairy products, fruit & vegetable products, fish products, confectionery products, meat & poultry products and food grains.

Features of Food Technology

There are many features of food technology and some of them are:

1. Foodprocessing is the processing of food substances by modifying and improving their properties to preserve it, enhance and improve its quality or make it functional and more useful.

2. Foodprocessors also are vegetables, raw tomato, raw food substances, marine minerals and convert them into edible products with the help of the application of labor, energy, raw slurry, and acts to learn edge.

3. Nutrient functional, chemical and mechanical processes are used to convert perishable, bulky, and typically food materials that are credible materials into more convenient, durable, and palatable foods and beverages.

4. Foodtechnology includes all the aspects of food science, which include food production, food processing, and the distribution of food products. Second, Professionals work to improve a manufacturing methods through preservation, storage and new product development. These also work with the manufacturers and process and to produce of new products.

5. The fields of study that are related to food technology include analytical chemistry, processing, quality control, biotechnology, nutrition, and food safety management.

Food for Wellness by MS Maya Manchanda Shekhar.
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Benefits of Food Technology

There are many benefits, some of which are:

1. Food processing is made easier with application of science and technology.

2. Food processing and packaging is safer with application of technology.

3. Food processing is nutritious and healthier with application of science and technology.

4. The Food processing industry is the largest manufacturing industry in the whole world. Employing over billions of people, so when you study food technology, you have a vast amount of job openings and the opportunities to start your own is accumulating for as long as humans eat cooked use.

Role Of A Food Technologist

Food Technologists are individuals who take up Food Science and Technology as a career. They diversely enrich everything from working with the pure science behind what the food is made up of, to planning effective distribution mechanisms of food products.

Their activities include:

1. Identify ways to keep food fresh, safe and looking good
2. Research into a cheaper and faster way of producing food
3. Test the quality and safety of food
4. Invent new 'recipes' for fresh using new ingredients
5. Make changes to foods, like creating sugar-free products
6. Design processes and machines that takes the products on a large scale.

Why Study Food Technology?

1. **Benefit From Job Security:** The food industry is one of the largest on the planet, and people will always have to eat. This means if you are working anywhere along the food supply chain, you will always have a job.

2. **Access To A Diverse Environment:** There is something for everyone, whether it be in quality, R&D, sales, marketing, manufacturing, coaching or in government.

3. **Increase Your Earning Potential:** Studying food technology offers many opportunities to earn a higher income.

4. **The Food:** If you love food you will definitely enjoy working in the food industry. Whether you are creating exciting new products, testing products for quality, or doing research, you will be exposed to a plethora of amazing food. You will discover dishes and flavour combinations you never knew existed.

5. **Travel Opportunities:** The food industry is a global one, and many companies around the globe also conduct business in several other countries. Depending on your job role, it's possible you will get to travel for work, whether it's locally or abroad.

6. **Make Exciting Discoveries And Innovations:** Studying food technology provides you with the opportunity to make exciting discoveries and innovations, as you explore new ways of creating and preserving food.

7. **This Career in Food Technology is well equipped** with tools and substances to allow our lives to develop around new opportunities for research and new options to explore.

8. **Students who study this course** are taught how to apply scientific knowledge and critical thinking to food. In this way, they can understand the chemical and physical processes that occur during food production.

9. **The benefits of studying food technology** are that you can be part of the large food manufacturing industry in the whole world. By studying this course, you can be assured of a stable career and job security, as well as many opportunities for growth.

10. **Food technology** is a specialised field that requires knowledge and skill. By studying this course, you will gain expertise in the manufacturing and production of food, as well as an understanding of the science behind it.

Food Technology Course Outline

Food Technology » Introduction
Food Technology » Physical properties of food materials
Food Technology » Fluid flow
Food Technology » Heat and mass transfer, basic principles
Food Technology » Reaction kinetics
Food Technology » Elements of process control
Food Technology » Size reduction
Food Technology » Mixing
Food Technology » Filtration
Food Technology » Centrifugation
Food Technology » Membrane processes
Food Technology » Extraction
Food Technology » Adsorption and ion exchange
Food Technology » Distillation
Food Technology » Crystallization and dissolution
Food Technology » Extrusion
Food Technology » Mechanical separations
Food Technology » Cleaning
Food Technology » Grains And Certification

BISMARCK

G-AGRICULTURE COURSE AND CERTIFICATION

DURATION: 2 WEEKS

FORMAT: WEBTOP PLUS VIDEO LECTURERS

CERTIFICATE OF COMPLETION

What is E-Agriculture?

E-agriculture is an emerging field that is focused on the improvement of both Agricultural and Rural Development, through improved and advanced information and communication technology processes.

E-agriculture is basically about the design, development and application of creative and innovative information and communication technologies in the rural sector with its primary focus on Agriculture.

Agriculture is defined as the science or practice of farming which industries cultivation of the soil for the growing of crops and the rearing of animals to provide the food, wool, and other products.

In Agriculture is sometimes referred to as ICT in Agriculture. Both are more recent terms in the field of Agricultural production and process.

ICT in Agriculture or **E-Agriculture Solutions** have been examined and tested in the world to help farmers and agriculturists improve their livelihood through technology. Using a tested method only will increase the chances of success.

E-Agriculture uses more advanced technology. It further increases the implementation of technology with multimedia, internet, knowledge, and culture, with the singular goal of improving communication and the farming process since most current sources of agriculture, both locally, regionally and globally. Including facilitation, support of standard and norms, technical support, capacity building, education and extensions services, through the use of ICT in Agriculture.

E-Agriculture & Women's Collective Manual, www.ictforwomen.com

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Some of the Features of E-agriculture include:

1. **ICT Infrastructure Utilization:** E-agriculture harnesses the power of information and communication technologies (ICT) to connect farmers to relevant markets and resources. By utilizing sophisticated technologies to improve the quality and quantity of agricultural products, in order to maximize profits. This is the foundation upon which agriculture of the future will be built. E-agriculture revolves around the development, evaluation, and application of innovative methods for using existing and emerging technologies, primarily hardware and software, in agriculture and rural development.

2. **Precision Agriculture:** In precision agriculture or site-specific farming, farmers use ICT tools and other technologies to observe crops more precisely, measure soil properties, and track individual animals so as to maximize productivity and minimize agricultural resource wastage while allows them to identify variations and manage the spatial and temporal variability of soil and plants for optimization of profitability, sustainability, and protection of the environment.

3. **Automation in Agriculture:** Improved production and high yields due to the increasing use of technology in farming. A significant proportion of the most modern farming systems are now automated. These include drones that survey the fields, sensors that monitor crop and animal health, and automated harvesting systems that increase productivity while reducing labor costs. This type of farming reduces the amount of human effort and time needed to produce agricultural products, thereby increasing productivity. E-agriculture allows farmers to take advantage of automation to enhance their decision-making and farming operations.

4. **Cost Reduction in Agriculture:** E-agriculture offers an improved efficient allocation of resources and minimization of costs. The use of information and communication technologies facilitates better social connections between farmers, buyers, and other service providers thus reducing marketing and transactions costs and time.

Benefits of E-agriculture

There are Many advantages of ICT In Agriculture or in agriculture, some of them are

1. In agriculture reduce the cost and time spent by farmers in general.
2. Modern machines and computer devices can automate the effort of the farmers.
3. In agriculture store the entire history/data of farmers and their crops.
4. It brings about the application of synthetic fertilizers.
5. It promotes better marketing and purchase of the product.
6. It facilitates online trading and e-commerce.
7. It reduce the impact on the ecosystem.
8. It offers improved way of communicating between farmers and expert.
9. It offers a way of providing and educating technical advices to farmers with consequence loss tools such as internet.
10. It saves cost, time and energy etc.

In the **Soft Course, you will learn** everything you need to know about In agriculture and **Diploma Certificate** to showcase your knowledge and competence.

E-Agriculture Course Outline

1. Introduction
- Definition of E-Agriculture
- Understanding the role of information and communication technology (ICT)
- Why ICT in Agriculture?
- What is E-Agriculture?
- Scope and potential benefits of E-Agriculture
- Challenges and potential benefits of the application across some states

2. Developing a National E-Agriculture Approach
- Understanding the need for a National E-Agriculture Vision
- Developing a National E-Agriculture Vision
- Developing a National E-Agriculture Action Plan
- Agriculture ICT framework for the implementation
- Agriculture a framework for the implementation across some states
- Agriculture determining the current and the future scenarios
- Agriculture a vision statement for agriculture

3. E-Agriculture National Focus Areas
- Agriculture a framework for the implementation
- Agriculture determining the current and the future scenarios
- Agriculture determining the vision statement for agriculture
- Agriculture the role of the stakeholders
- Agriculture strategic information on the current E-governance measures
- Agriculture technical measures to strengthen E-agriculture
- Agriculture capacity building and management
- Agriculture leadership and management

4. Developing a National Implementation Action Plan
- Agriculture developing a strategic implementation plan
- Agriculture developing the operational plan
- Agriculture an enabling environment for the plan
- Agriculture mobilizing implementation resources
- Agriculture developing the monitoring and evaluation framework

5. Monitoring and Evaluation
- Agriculture defining the E-Agriculture monitoring and evaluation framework
- Agriculture the need for the evaluation
- Agriculture developing the indicators
- Agriculture defining the reporting processes and structures

6. Conclusion

7. Exams and certification

BISMARCK

SOLAR ENERGY SYSTEMS COURSE AND CERTIFICATION

DURATION: 3 WEEKS
FORMAT: WEBPDF PLUS VIDEO LECTURERS

CERTIFICATE OF COMPLETION

Solar energy systems harvest the sun's Ultraviolet to Infrared Energy. Systems use the basic components and use the mechanisms required to produce electricity directly from the sun.

Solar Energy is the most abundant source of energy that is available here on Earth. It can be captured and used in different ways, and at a reasonable amount of energy. It's an important part of our clean energy future. The sun releases more Energy we can absorb than Earth during a light stream during the daytime, each particle of sunlight known as a Photon that reaches Earth contains energy that fuels our planet.

Solar Energy is the ultimate source responsible for all of our weather system changes and the energy sources on Earth, and enough solar radiation hits the surface of the planet every hour to theoretically fill the global energy needs for an entire year.

Where does all of this energy come from? Our sun, just like any star in the galaxy, it is a massive nuclear reactor. Deep down in the Sun's core, nuclear fusion reactions happen to generate massive amounts of energy that radiates outward from the Sun's surface and into the space in the form of light and heat.

Solar Power can be harnessed and converted to usable energy by using photovoltaics or solar thermal collectors. Although solar energy only accounts for just a small amount of our overall electricity use, decreasing cost of installing solar panels means that more and more people in several places can take advantage of solar energy.

There are many features of Solar Energy, some of them are:

1. Low Maintenance: Solar energy panels and box contact with few can be easily maintained.

2. Energy Scarcity: It serves as alternative source of power, ensuring energy scarcity.

3. Off the Grid Power Supply: Reduces the loads off grid systems.

4. Durability: Has a lasting life span.

Benefits of Solar Energy Systems

1. **Renewable Energy Source:** Of all the benefits of solar panels, the most important thing about it is that solar energy is a truly a renewable energy source. It can be harnessed in all the areas of the world and it is available every day.

2. **Reduces Electricity Bills:** Since you meet some of your energy needs with the electricity your solar system has generated, your energy bills will drop. How much you'll save on your bill is dependent on the size of the solar system and your electricity or heat usage.

3. **Diverse Applications:** Solar energy can be used for different purposes. You can generate electricity (photovoltaics) or heat (solar thermal). Solar energy can be used to produce electricity in areas without access to the energy grid to distill water in regions with limited clean water supplies and to power satellites in space.

4. **Low Maintenance Costs:** Solar energy systems generally do not require a lot of maintenance. You need only to keep them relatively clean, so cleaning them a couple of times per year would do the job.

Why Study Solar Energy Systems?

1. Gain knowledge and skills in solar energy systems.

2. Job opportunities and career advancement in renewable energy industry.

3. Enrich your CV and increase your earning potential.

4. Self employment opportunity.

Solar Energy Systems . . . Introduction
Solar Energy Systems . . . Roles and prospects of PV technology
Solar Energy Systems . . . The working principle of a solar cell
Solar Energy Systems . . . Semiconductor basics
Solar Energy Systems . . . Solar radiation
Solar Energy Systems . . . Basic semiconductor physics
Solar Energy Systems . . . Generation and recombination of electron-hole pairs
Solar Energy Systems . . . Semiconductor junctions
Solar Energy Systems . . . Solar cell parameters and equivalent circuit
Solar Energy Systems . . . Losses and efficiency limits
Solar Energy Systems . . . Crystalline silicon solar cells
Solar Energy Systems . . . Crystalline silicon solar cells
Solar Energy Systems . . . Thin-film silicon solar cells
Solar Energy Systems . . . Thin-film silicon solar cells
Solar Energy Systems . . . CdTe and CI(G)S solar cells
Solar Energy Systems . . . Organic and hybrid solar cells
Solar Energy Systems . . . Multi-junction solar cells
Solar Energy Systems . . . PV module: series and parallel connections
Solar Energy Systems . . . PV modules
Solar Energy Systems . . . PV systems
Solar Energy Systems . . . Components of a PV system
Solar Energy Systems . . . Location issues
Solar Energy Systems . . . The PV system design
Solar Energy Systems . . . PV system economics and ecology
Solar Energy Systems . . . Batteries
Solar Energy Systems . . . Exercises
Solar Energy Systems . . . Tutorials
Solar Energy Systems . . . Exam and Certification

Fundamentals of Solar Energy Course . . . .