

Program Curriculum DCA program curriculum will impart learning in following specializations:

Course DCA01: Fundamentals & Office Productivity tools

Course DCA02: Graphic Design & Multimedia

Course DCA03: Programming

Course DCA04: Functional application Software

LearningModule No	Module name	Description
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Course DCA01	Fundamentals & Office Productivity tools	
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Basic Course in Information Technology (BCIT)

This module covers - Fundamentals of IT; Social, Mobile and Digital media; Understanding Internet; e-Commerce and platform models; Digital Banking; Introductions to Productivity Programs; Digital Marketing.

This course is jointly certified by CSC Academy & Indian School of Business, Hyderabad (ISB).

DCA01-2		
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Spoken Tutorial Technology Introductory module

This is an introductory module on Spoken Tutorial explaining how to use the Spoken Tutorial learning content. This module explains the steps involved in carrying out a computer based activity - such as using the features of some software - with the help of a screencast and narration. A screen casting software captures all the activities on the screen along with the narration and plays it back as a movie.

DCA01-3		
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Introduction to Computers

"Introduction to Computers" series is intended for first-time users, who wish to learn how to use computers for day-to-day activities and hone their computer skills. This series is open to all age groups of people, irrespective of their background.

This course module is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).

DCA01-4

Tux Typing

Tux Typing Teaches 10 Finger typing.

DCA01-5 LibreOffice Suite Base LibreOffice Base is the database front-end of the LibreOffice suite, Base is the equivalent of Microsoft Access.

This course module is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).

DCA01-6 LibreOffice Suite Calc LibreOffice Calc is the spreadsheet component of LibreOffice Suite. It is the equivalent of Microsoft Excel in Microsoft Suite and has a number of unique features, including a system which automatically defines series of graphs, based on information available to the user.

This course module is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).

DCA01-7 LibreOffice Suite Draw LibreOffice Draw is a graphics software that allows you to create a wide range of vector graphics.

This course is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).

DCA01-8 LibreOffice Suite Impress LibreOffice Impress is the presentation component of the LibreOffice Suite. It is the equivalent of Microsoft PPT in Microsoft Suite and has a number of unique features that make it a versatile tool for creating presentation.

This course is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).

DCA01-9

LibreOffice Suite Math LibreOffice Math is a software application designed for creating and editing mathematical formulae.

This course is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).

DCA01-10 LibreOffice Suite Writer LibreOffice Writer is the word processor component of the LibreOffice Suite. It is the equivalent of Microsoft Word in Microsoft Office Suite.

This course is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).

Course DCA02Graphic Design & Multimedia

DCA02-1

Inkscape

Inkscape is a digital image-editing program that is used to create and modify vector images for desk top Publishing. It is often considered a free alternative to Adobe Illustrator, CorelDraw or Xara X.

This course module is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).

DCA02-2

Synfig

Synfig Studio is a free and open-source 2D animation software, designed as powerful industrial-strength solution for creating film-quality animation using a vector and bitmap.

DCA02-3

GIMP

GIMP is a free and open-source raster graphics editor used for image manipulation and image editing, free-form drawing, transcoding between different image file formats, etc.

This course module is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).

Course DCA03Programming

DCA03-1

C Intermediate level

C is one of the most widely used programming language. Advanced C is for the programmer who has some experience writing applications in C or a similar language.

This course module is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).

DCA03-2

C++ Intermediate level

C++ is an object oriented language. It supports features like classes and objects, Polymorphism, Encapsulation, Inheritance etc. C++ is also used for hardware design.

This course module is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).

DCA03-3

HTML

HTML stands for Hypertext Markup Language. HTML is the standard markup language for creating web pages and web applications.

This course module is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).

DCA03-4 PHP and MySQL Used as Web development and Database Management Systems package.

This course module is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).

DCA03-5 Java Java is a free and open source high level programming language. It is simple as well as object oriented language. Java Platform, Standard Edition (Java SE) lets you develop and deploy Java applications.

This course module is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).

DCA03-6 Joomla Joomla is a content management system for publishing web content on websites.

This course module is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).

DCA03-7

Linux Operating system

Linux is an open source operating system (OS). An operating system is the software that directly manages a system's hardware and resources, like CPU, memory, and storage.

This course module is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).

Course DCA04Functional Application Software

DCA04-1

Library Management Software

Koha is an open source integrated library system (ILS), used world-wide by public, school and special libraries. Helps with easy access to information for library staff and users due to effective searching and issuing of items.

DCA04-2

Financial Accounting ERP

FrontAccounting ERP is a free and open source accounting software useful for General Ledger, Bank accounts, Taxes, Bookkeeping, etc. related to a company. Front Accounting is similar to Tally Accounting software.

This course module is jointly certified by CSC Academy & Spoken Tutorial (IIT Bombay).