



ಕರ್ನಾಟಕ ಸರ್ಕಾರ

Department of Collegiate Education



GOVERNMENT FIRST GRADE COLLEGE

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Affiliated to Bangalore Central University and Recognized by UGC under 2(f)

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CIRCULAR

IIT Mumbai - **Spoken Tutorial** is a multi-award winning educational content portal. Here one can learn various FOSS (Free and Open Source Software) like Linux, Scilab, LaTeX, PHP & MySQL, Java, C/C++, LibreOffice etc, via an easy Video tool - Spoken Tutorials Google award winning MOOC all by oneself. The multi-lingual courses ensure that anybody with a computer and a desire for learning can learn from any place, at any time and in a language of their choice.

Our college has collaborated and registered under **IIT Mumbai – spoken tutorial** and all the UG/PG students can take the benefit of this by enrolling and undergoing the online test conducted.

All that you need is – to register under IIT Mumbai and start learning the modules sent by IIT Mumbai and at the end of 6 to 8 weeks, you can undergo online test and get certificate issued by IIT Mumbai.

The salient features of this course are:

1. Students, Staff & Teachers can enrol – all can avail the training at very low cost. The method is Active learning on Computer systems and very suited for Remote/Distance Education.
2. Teachers & students can master the software courses on their own, in their own campus and at their own time. Once you get started, you can master the Software Course and also get Certificates.
3. The training/course can even be taken online or offline at college for about 2 hours duration. Timings will be announced as and when the course starts.
4. It is recommended that learners take the Online Assessment Test within 4 to 6 weeks after the 1st training session.
5. The cost is Rs.500+GST/per course for Faculty/Teachers and Rs.200+GST/per course for students (except school students).

Courses Recommended

Sl. No.	Course Name	Who Can Opt For This Training/ Course
1	Basic IT Skills package	This package is useful to all who wish to learn basic IT skills. Absolute must for beginners.
2	Applications of GeoGebra	Applications of GeoGebra Interactive Geometry, Algebra and Calculus application for UG/PG students
3	Avogadro	vogadro is a free and open source, advanced molecule editor and visualizer designed for cross-platform use in computational chemistry, bioinformatics, etc. It offers flexible high quality rendering. Useful for UG/PG Chemistry and Bioinformatics students.

4	C and C++	Powerful features, simple syntax, and portability make C a preferred language among programmers, for business and industrial applications. Widely used in the development of operating systems. Useful for High School and UG/PG CSE/CS/IT students and anyone who wishes to learning basic programming.
5	Advanced C++	For Advanced C++ series, learner should necessarily go through C and C++ series beforehand. Useful for UG/PG CSE/CS/IT students and anyone who wishes to learning advanced programming.
6	Chemcollective Virtual Labs	ChemCollective Virtual Labs is a simulation of a chemistry laboratory. It allows students to explore and reinforce fundamental concepts, select various standard reagents (aqueous) and use them as they use in a real laboratory. Useful for Chemistry students from 9th standard onwards.
7	FrontAccounting-2.4.7	Free, open source business accounting software (having features similar to Tally). Useful for UG/PG Commerce students.
8	HTML	HTML elements form the building blocks of all websites. HTML allows embedding of images and objects and is extensively used to create interactive forms and webpages. Useful for High School and UG/PG students, working professionals - Multi-disciplinary
9	Inkscape	Graphics art and design software application for the editing and creation of original images, icons, graphical elements of web pages and art for user interface elements. Useful for all graphic related work. Open source equivalent of CorelDraw and Illustrator . Useful for High School and UG/PG students who wish to learn desktop publishing work - creating banners, posters, brochures, CD cover image, artwork for textiles, etc.
10	Introduction to Computers	Absolute basic tutorials on parts of a computer, connecting the parts using cables, printer configuration, creating a gmail account, sending and receiving mails and using the Google Drive. Useful for first-time computer users of any age group.
11	Java and Netbeans	Learn to use Java <ul style="list-style-type: none"> Free and open source, high level, simple as well as object-oriented programming language. Included in the curriculum of schools and colleges offering Computer Science and IT subjects. Learn to use Netbeans IDE NetBeans IDE is an open-source integrated development environment. NetBeans IDE supports development of all Java application types (Java SE including JavaFX, (Java ME, web, EJB and mobile applications) With Netbeans IDE, one can quickly and easily develop desktop, mobile and web applications with Java, HTML5, PHP, C/C++ and more. Useful for UG/PG CSE/IT/CS students We recommend that Java series be followed with Netbeans series.
12	Java Business Application	Learn how to create a business application from scratch. For Java Business Application series, learner should necessarily go through Java and Netbeans series beforehand. Useful for UG/PG CSE/IT/CS students and working professionals.
13	Joomla	Learn how to a Content Management System for building websites, webpages, etc. Useful for web developers, website administrators, and UG/PG CSE/IT/CS students who wish to learn website management.

14	LaTeX & XFig	<p>LaTeX is a typesetting software for preparing reports, letters and presentations - specially useful for persons engaged in writing/ publishing documents from science/ arts/ commerce fields.</p> <p>Xfig is a free and open source vector graphics editor. In Xfig, figures may be drawn using objects such as circles, boxes, lines, spline curves, text, etc. ... and used in LaTeX and other documents.</p> <p>Useful for UG/PG students, faculty and research scholars.</p>
15	LibreOffice Suite	<p>Trains in basic computer usage skills like Word processing, Spreadsheet, Presentation using the LibreOffice components Writer, Calc and Impress. One can also learn other useful components like Draw, Math and Base in this series.</p> <p>Useful for school students (7th standard and above), anyone who wishes to learn to use an OFFICE suite.</p>
16	Moodle Learning Management System	<p>Moodle LMS is one of the most popular LMS used globally by educational institutes.</p> <p>This Moodle series is divided into 2 parts -</p> <ul style="list-style-type: none"> • one for Moodle site administrators and another for teachers. <p>Moodle site Administrators</p> <ul style="list-style-type: none"> • will install Moodle on the server • create course categories as per institute guidelines and • manage courses and user accounts for multiple courses <p>Teachers will learn to-</p> <ul style="list-style-type: none"> • upload and edit content for their course. • create assignments and quizzes to assess the students' progress and • enroll students to their course and communicate with them. <p>Useful for system administrators, site administrators, trainers and faculty.</p>
17	PHP & MySQL	<p>Package for developing interactive websites and establishing back-end connectivity with a database - Famous websites using PHP include Facebook, Google, and Wikipedia.</p> <p>Useful for UG/PG CSE/IT/CS students</p>
18	Python 3.4.3	<p>Numerical computational software for Science and Engineering Education - used in 3D animation and Gaming industry, Artificial Intelligence, YouTube, NASA, CERN, Yahoo and so on.</p> <p>Useful for UG/PG CSE/IT/CS students and CBSE high school students.</p>
19	RDBMS	<p>RDBMS stands for Relational Database Management System. RDBMS is the basis for SQL, and for all modern database systems like MS SQL Server, IBM DB2, Oracle, MySQL, PostgreSQL and Microsoft Access. PostgreSQL is a powerful, open source relational database system. It runs on all major operating systems, including Linux, Windows and Mac OS. It supports most SQL data types, foreign keys, joins, views, triggers and stored procedures. It has programming interfaces for C/C++, Java, Perl, Python, Ruby etc.</p> <p>Useful for UG/PG CSE/IT/CS students to learn industry database management</p>
20	Scilab	<p>Mathematical and scientific calculation software, open source substitute for MATLAB, very useful for all science and engineering students, in academics particularly.</p>

For further details, please contact course coordinator **Dr. Shubha. S**, Assistant Professor, Department of Computer Science, GFGC, Malleshwaram , Mobile 9449632471/ Whatapp 9071113889 and fill the below Google form to enrol for the course/ training.

https://docs.google.com/forms/d/e/1FAIpQLSdmtHlxu9lrbHO7ay1m_YsvHexFeJW0DS5n0qnr_v2_foV9XeA/viewform?vc=0&c=0&w=1&flr=0

Dr. D. S. PRATHIMA
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