ಸಂಖ್ಯೆ: ಡಿಟಿಇ/17/ಸಿಡಿಸಿ(2)/ಇ-ಗೆ/2013-14 /2076

ನಿರ್ದೇಶಕರವರ ಕಛೇರಿ,
ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ ಇಲಾಖೆ,
ಬೆಂಗಳೂರು-560 001.
ದಿನಾಂಕ: 02-01-2017.

–:ಸುತ್ತೋಲೆ:–

ವಿಷಯ: ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ ಇಲಾಖೆಯಡಿ ಬರುವ ಇಂಜಿನಿಯರಿಂಗ್ ಹಾಗೂ ಪಾಲಿಟೆಕ್ನಿಕ್‌ಗಳಲ್ಲಿ ಐಐಟಿ ಬಾಂಬೆಯವರು "Spoken Tutorials Project" ಅಡಿ FOSS ಗಳ ಬಗ್ಗೆ ತರಬೇತಿ ನಡೆಸುವ ಕುರಿತು.

ಉಲ್ಲೇಖ: ಈ ಕಛೇರಿ ಪತ್ರ ಸಂಖ್ಯೆ:ಡಿಟಿಇ/17/ಸಿಡಿಸಿ(2)ಇ-ಗೆ/FOSS/2013-14, ದಿ:24-4-2016/29-7-2016

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ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಉಲ್ಲೇಖಿತ ಪತ್ರದಲ್ಲಿ ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ ಇಲಾಖೆಯಡಿ ಕಾರ್ಯ ನಿರ್ವಹಿಸುತ್ತಿರುವ ಎಲ್ಲಾ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜು ಹಾಗೂ ಪಾಲಿಟೆಕ್ನಿಕ್ ಸಂಸ್ಥೆಗಳ ಪ್ರಾಂಶುಪಾಲರು/ಸಂಯೋಜನಾಧಿಕಾರಿಗಳು ಕೂಡಲೇ ಶೈಕ್ಷಣಿಕ ಹಿತದೃಷ್ಟಿಯಿಂದ 2016-17ನೇ ಸಾಲಿನ ಪಠ್ಯಕ್ರಮಕ್ಕೆ ಅನುಗುಣವಾಗಿ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಉಪಯುಕ್ತವಾಗುವಂತಹ ಹಾಗೂ ಅತ್ಯವಶ್ಯಕವಾಗಿ ಬೇಕಾಗಿರುವಂತಹ ಐಐಟಿ ಬಾಂಬೆಯವರು ಎಮ್‌ಹೆಚ್‌ಆರ್‌ಡಿ ವತಿಯಿಂದ ಉಚಿತವಾಗಿ ನಡೆಸಲು ಹಮ್ಮಿಕೊಂಡಿರುವ "Spoken Tutorials Project" ಅವಲಂಬಿತ FOSS ಅಡಿಯ ತರಬೇತಿಯನ್ನು "Spoken Tutorials Project" ಇ-ಬ್ರೋಚರ್‌ನಿಂದ ಆದ್ಯತೆ ಮೇರೆಗೆ ಆಯ್ಕೆ ಮಾಡಿಕೊಂಡು, ತರಬೇತಿಗಳ ಮಾಹಿತಿಯನ್ನು ನಿರ್ದೇಶನಾಲಯಕ್ಕೆ ಹಾಗೂ ಐಐಟಿ ಬಾಂಬೆ "Spoken Tutorials Project" ನ ಕರ್ನಾಟಕದ ಸಂಯೋಜಕರಾದ **ಶ್ರೀಮತಿ ಅನುಶ್ರೀ ಧರ್ಮಾಧಿಕಾರಿ** ಇವರಿಗೆ ಸಂಪೂರ್ಣ ಮಾಹಿತಿಯನ್ನು ನೀಡಲು ಸೂಚಿಸಲಾಗಿತ್ತು. ಈ ಸಂಬಂಧವಾಗಿ ಸಂಸ್ಥೆಗಳ ಪ್ರಾಂಶುಪಾಲರು/ಸಂಯೋಜನಾಧಿಕಾರಿಗಳು ಐಐಟಿ ಬಾಂಬೆ "Spoken Tutorials Project" ನ ತರಬೇತಿಯ ಕರ್ನಾಟಕ ರಾಜ್ಯದ ಸಂಯೋಜಕರ ಈ ಕೆಳಕಂಡ ಮೊಬೈಲ್ ಮತ್ತು ಇ-ಮೇಲ್ ವಿಳಾಸದಲ್ಲಿ ಸಂಪರ್ಕಿಸಿ, ಅವರಿಂದ "Spoken Tutorials Project" ಕಾರ್ಯಾಗಾರಗಳನ್ನು ಪರಿಣಾಮಕಾರಿಯಾಗಿ ನಡೆಸಲು ಸಲಹೆ, ಸೂಚನೆ ಹಾಗೂ ಮಾರ್ಗದರ್ಶನ ಪಡೆಯಬೇಕೆಂದು ಸೂಚಿಸಲಾಗಿದೆ.
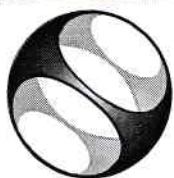
ಮುಂದುವರೆದು ಇಲ್ಲಿಯವರೆಗೂ FOSS ಅಡಿಯಲ್ಲಿ ಉಚಿತವಾಗಿ ಪಡೆಯಲಾದ/ನಡೆಸಿರುವ ತರಬೇತಿಗಳ ಹಾಗೂ ಜುಲೈ 2016 ರಿಂದ ಡಿಸೆಂಬರ್ 2016 ರವರೆಗೆ ಉಚಿತವಾಗಿ ಪಡೆಯಲು/ನಡೆಸಲು ಉದ್ದೇಶಿಸಿರುವ FOSS ಅಡಿಯ ತರಬೇತಿಗಳ ಮಾಹಿತಿಗಳನ್ನು ಈ ಪತ್ರದೊಂದಿಗೆ ಲಗತ್ತಿಸಿರುವ ಪ್ರತ್ಯೇಕ ನಮೂನೆಗಳಲ್ಲಿ ನಿರ್ದೇಶನಾಲಯಕ್ಕೆ ಮರು ಟಪಾಲಿನಲ್ಲೇ ಹಾಗೂ "Spoken Tutorials Project"ನ ತರಬೇತಿಯ ಕರ್ನಾಟಕದ ಸಂಯೋಜಕರಾದ ಶ್ರೀಮತಿ ಅನುಶ್ರೀ ಧರ್ಮಾಧಿಕಾರಿಯವರಿಗೆ ಇ-ಮೇಲ್ ಮೂಲಕ ರವಾನಿಸಲು ಸಂಸ್ಥೆಯ ಪ್ರಾಂಶುಪಾಲರುಗಳಿಗೆ/ಸಂಯೋಜನಾಧಿಕಾರಿಗಳಿಗೆ ಸೂಚಿಸಲಾಗಿದೆ.

ಶ್ರೀಮತಿ ಅನುಶ್ರೀ ಧರ್ಮಾಧಿಕಾರಿ, ತರಬೇತಿ ಸಂಯೋಜಕರು, ಕರ್ನಾಟಕ, ಮೊಬೈಲ್ ಸಂಖ್ಯೆ: +91 9172113360
ಇ-ಮೇಲ್: dharmadhikarianushree@gmail.com,

ಜಂಟಿ ನಿರ್ದೇಶಕರು(ಸಿಡಿಸಿ)

ಇವರಿಗೆ.
1. ರಾಜ್ಯದ ಎಲ್ಲಾ ಸರ್ಕಾರಿ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜುಗಳ ಪ್ರಾಂಶುಪಾಲರುಗಳ ಸೂಕ್ತ ಕ್ರಮಕ್ಕಾಗಿ.
2. ಸರ್ಕಾರಿ/ಅನುದಾನಿತ/ಖಾಸಗಿ ಪಾಲಿಟೆಕ್ನಿಕ್ ಪ್ರಾಂಶುಪಾಲರುಗಳ ಸೂಕ್ತ ಕ್ರಮಕ್ಕಾಗಿ.
3. ಜಂಟಿ ನಿರ್ದೇಶಕರು(ಆಡಳಿತ), ಡಿಟಿಇ, ಬೆಂಗಳೂರು ರವರ ಮಾಹಿತಿಗಾಗಿ.
3. ತರಬೇತಿ ಸಂಯೋಜಕರು, ಕರ್ನಾಟಕ "Spoken Tutorials Project", I I T Bombay, ಇವರ ಮಾಹಿತಿಗೆ.
4. ನಿರ್ದೇಶಕರ ಆಪ್ತ ಶಾಖೆ, ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ ಇಲಾಖೆ ರವರ ಮಾಹಿತಿಗಾಗಿ.
5. ಇ-ಆಡಳಿತ, ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ ನಿರ್ದೇಶನಾಲಯ, 2ನೇ ಮಹಡಿ, ಬೆಂಗಳೂರು ಇವರಿಗೆ ಡಿಟಿಇ ವೆಬ್ ಸೈಟ್ ನಲ್ಲಿ ಪ್ರಕಟಿಸಲು ಮುಂದಿನ ಕ್ರಮಕ್ಕಾಗಿ.

Spoken-tutorial Project, IIT Bombay
E-Brochure

Name of FOSS	Applications	Commercial equivalent	Employability	Department
Linux-Ubuntu	Virus free, robust Operating System	Windows	Technician or System administrator for Computer Vendors (SME's),Indian Railways, Municipal Corporations, Air India and many SME's	Computer Science, IT, ECE, Electronics
LibreOffice -	Basic computer usage Office suite for documents, spreadsheets, presentations, database etc.	MS-Office	Administration, Data entry personnel, Travel Agency Assistant, Indian railways, Municipal corporations, Govt. offices	All the departments
Writer	Word Processing, Documentation	Word		
Calc	Spreadsheets	Excel		
Impress	Presentations	Powerpoint		
Base	Managing Databases	Access		
Draw	Drawing	Paint		
Math	Mathematical Operations	MathType		
PHP&MySQL	Web development and Database Management	.NET	Website Developer in all types of small and large enterprises, popular companies hiring PHP&MySQL trained persons are Air-India, Bridge & Roof Co., Media channels, agencies etc.	Computer Science and IT
C/C++, Java, Netbeans and Python	Programming language		Programmer in SMEs working in C, Java,Netbeans and Python, Lab-Assistant in colleges. Popular companies requiring programmers on C/C++, Java and Python are HCL technologies, Wipro, L&T, TCS	Computer Science and IT

Name of FOSS	Applications	Commercial equivalent	Employability	Department
Scilab	Scientific Computation package for numerical computations	Matlab	Value addition in technical problem solving via use of computational methods for engineering problems, Applicable in Chemical, ECE, Electrical, Electronics, Civil, Mechanical, Mathematics etc.	Computer Science, IT, Electronics, ECE, Mechanical
LaTeX	Document markup language and preparation system for Tex typesetting	MS-Word	Value addition to academic Skills set. Essential for International paper presentation and scientific journals.	All the departments
OpenFOAM	For Fluid Mechanics to solve and create fluid movies	Fluent	Companies like AUDI, Tata Steel, Volkswagen, etc. have started using it. Also Indian Govt. agencies like BARC (Babha Atomic Research Center) are making use of this free software.	Mechanical
Oscad - now FreeEDA	EDA tool for circuit design, simulation, analysis and PCB design.	Orcad	PCB designer in SME's and academic institutions, Lab assistant for Electronic Circuit Lab, Electronic network designer.	ECE, Electronics, EEE, Electrical
Firefox	Web browser	Internet Explorer	System Administrator and Lab assistant in SME's and academic Institutes	All the departments
GIMP, Q-CAD	Image Editing and Graphic Design	Photoshop	Self employed photo editor, editor in photostudios, graphic design job in gift stores, advertising agencies, etc.	Arts and Textile designing, Fashion designing, Architecture
Blender	Animation and Computer Graphics	Maya 3D	Animator in graphic and animation media, film etc. Sectors, such as advertising computer games, TV, education, interior-decoration, etc.	Arts, Design
Ruby	Programming language		Ruby was used to implemented the reactive control part for the Siemens service robot. Ruby Web Dialogs based app to manage and track oncall and on-site support for the IT help desk and IT operations teams.	Simulations, 3D Modeling, Business, Robotics, Networking, System Administration, etc.

Name of FOSS	Applications	Commercial equivalent	Employability	Department
Perl	High-level programming language	Basic, Ruby, Awk, assembler, PDL, TCL, Octave, Guile, SLang, Befung and Lua	Perl has been called the system administrator's best friend for its ability to make common tasks easy. Perl's process, file, and text manipulation facilities make it particularly well-suited for tasks involving quick prototyping, system utilities, software tools, system management tasks, database access, graphical programming, networking, and web programming.	Web developers, system administrators. Mathematicians, geneticists, journalists, managers , etc.
Cell Designer	Software for Planning & Designing Wireless Communication Systems, Modeling tool		CellDesigner has fully implemented the Korowajczuk 3D model, capable of performing simultaneously outdoor and indoor multi-floor predictions.	Biochemical Networks
GChemPaint	GChemPaint is an editor for 2D chemical structures with a multiple document interface.		GChemPaint is currently being developed as part of The Chemistry Development Kit, and a Standard Widget Tool kit-based GChemPaint application is being developed, as part of Bioclipse.	Chemistry
Inkscape	Graphic Designing	Adobe Illustrator, Coreldraw	Photo editing, Photo Manipulation and Graphic Design	Designing
Jmol Application	Jmol applet is used to explore the structure of molecules. Jmol applet is used to depict X-ray structures.		Jmol returns a 3D representation of a molecule that may be used as a teaching tool, or for research e.g. in chemistry and biochemistry. There is a standalone application and a development tool kit that can be integrated into other Java applications.	Chemistry, Biochemistry

Name of FOSS	Applications	Commercial equivalent	Employability	Department
Bash	Bash is a "Unix shell" command line interface for interacting with the operating system. Bash has the ability to run an entire script of commands, known as a "Bash Shell script" or "Shell script".		Familiarity with GNU/ Linux command lines, and familiarity with basic programming concepts is a prerequisite for learning BASH. System administrators will greatly benefit by learning to automate common tasks using BASH.	System administrators
Ascend	ASCEND is a free, open source, mathematical modelling system.		Its main uses have been in the field of chemical process modelling, with its novel modelling language conventions and powerful solver.	Chemical Engineering
Java Business Application	To create a business application from scratch.		To built the business application and provide domain expertise	Library Management System
Kturtle	An educational programming environment which helps in learning how to build logic and how to program, in an easy manner.		Some of its features are: intuitive syntax highlighting, simple error messages, integrated canvas to make drawings on, integrated help function, slow motion or step execution, and more.	All the department
Ktouch	Typing tutor teaches how to type using an online interactive keyboard		Learn typing at your own pace. Gradually increase your typing speed and along with it, your accuracy.	

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http://process.spoken-tutorial.org/images/7/72/Matching_spoken-tutorial.pdf