



# बाबासाहेब भीमराव अम्बेडकर विश्वविद्यालय

(केन्द्रीय विश्वविद्यालय)

विद्या विहार, रायबरेली रोड, लखनऊ-226025

**BABASAHEB BHIMRAO AMBEDKAR UNIVERSITY**

(A Central University)

Vidya Vihar, Rae Bareilly Road, Lucknow-226025

Ph.: 0522-2440822 Fax-2441888 E-mail: registrar@bbau.ac.in

Letter No.:...1215.../BBAU/16

Date.....27/10/16.....

## OFFICE ORDER

The Vice Chancellor is pleased to nominate **Dr. Vipin Saxena**, Professor, Department of Computer Science as **Central Coordinator** for Spoken Tutorials Based Software Training via Distance Learning Method for students of the University in collaboration with IIT, Bombay.

Registrar

### Copy to:

1. Prof. Vipin Saxena, DCS, BBAU, Lucknow.
2. SO to VC, BBAU, Lucknow.
3. PS to Registrar, BBAU, Lucknow.
4. I/c University website.

Registrar



## BABASAHEB BHIMRAO TAFLBEDKAR UNIVERSITY

(A Central University)

Vidya Vihar, Rae Bareli Road, Lucknow-226025

Letter No.....

Dated:11/11/2016

### NOTICE

It is to inform that Spoken Tutorial Project, IIT Bombay is offering Free of Cost IT/Software Trainee via Online Learning, Project of NMEICT, MHRD, Govt. of India-Knowledge Partner (As per Annexure A). The details are also available on [www.spoken-tutorial.org](http://www.spoken-tutorial.org). After successful completion of the module (Learning as well as Online Examination), Spoken Tutorial Project Team, IIT Bombay shall issue the certificate to the registered students. Heads of various departments of the University are requested to submit the details of all the students in the following format latest by 15/11/2016 upto 5 P.M. so that undersigned could forward it to Spoken Tutorial Project Team, IIT Bombay, Mumbai for creation of login and password:

Department Name			
First Name	Last Name	Email Id	Gender

  
Prof. Vipin Saxena  
Central Coordinator

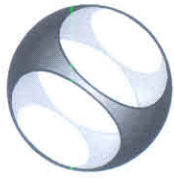
*Copy forwarded for information:*

1. S.O. to Hon'ble Vice Chancellor, B.B. Ambedkar University, Lucknow
2. P.S. to Registrar, B.B. Ambedkar University, Lucknow
3. S.O. to Finance Officer, B.B. Ambedkar University, Lucknow
- ✓ 4. I/c Website with a request to upload on [www:bbau.ac.in](http://www:bbau.ac.in)

  
Prof. Vipin Saxena 11/11/16

I/c website

  
11/11/16



# 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	Programing 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

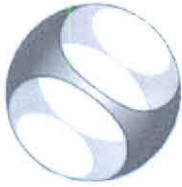
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Name of FOSS	Applications	Commercial equivalent	Employability	Department
Scilab	Scientific Computation package for numerical computations	Matlab	Value addition in technical problem solving via use of computational methods for engineering problems, 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.

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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

  
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**Introduction of FREE of Cost IT/Software Training in Babasaheb Bhimrao Ambedkar University, Lucknow by Spoken Tutorial(ST) - IIT Bombay, NMEICT, MHRD, Govt Of India- Knowledge Partner**

**About Spoken Tutorial** – It is an audio-video method to learn Software. These are for Skills and to improve Academic performance. It is designed for self learning (no expert needed) and distance education mode (no need to leave campus). It is an NMEICT, MHRD, Govt. Of India funded national project so the courses, training, day to day guidance and certificates are all completely FREE of COST for life.

**Purpose of Collaboration**

The reason to have this strategic partnership of Babasaheb Bhimrao Ambedkar University with Spoken Tutorial as Knowledge Partner, is so that the reach, awareness and spread of ST training is smooth and fast reaching the departments, research programs and FDPs which are part of the outreach IT training programs you have. Circular, Notices, Organised trainings, Robust coordinator team etc.

The reason to approach you is to give the exposure and hands on learning of very useful IT courses to your students building their IT competency. We were happy to note that our programs are in line with some of Babasaheb Bhimrao Ambedkar University objectives. Let me mention that we are working with several Technical & Non- technical Universities in India like AKTU, Gorakhpur University, Allahabad University, Meerut University, Kashi Vidyapeeth University, Bundelkhand University, Purvanchal University Uttar Pradesh to name a few. We are partnered with over 110 affiliating universities in India proving how well partnerships can give the required momentum to the program.

**Proposed Agendas**

**Pertinent Babasaheb Bhimrao Ambedkar University Goals**

To promote advanced knowledge by providing instructional and research facilities for integrated courses in Science and key frontier areas of Technology and other allied disciplines.

To take appropriate measures for promoting innovations in teaching-learning process in inter-disciplinary studies and research

A wide range of extracurricular and leadership opportunities for students

The programs are conducted in a learning environment that encourages the students to question, to discover, to participate in academics, workshops, seminars, extra-curricular activities, imparting a balanced worldview, helping shape a contributing member of the society.

To organize the vocational training programs and income generation activities for rural youth and school drop out by imparting skills

**Joint Activities - ST team and Babasaheb Bhimrao Ambedkar University Team**

Offer the courses eg. C/C++, Java, Linux, etc as E-Learning Resource in regular computer lab hours based on time table. Also help faculty, research scholars learn LaTeX which is to be used in their research report writing

Offer Scilab useful for advanced mathematical computation. Also help faculty, research scholars learn LaTeX which is to be used in their research report writing

Enabling students to develop leadership skills by volunteering to help with the training

It gives you a forum to interact in case of any query. It allows students to go out of the box by learning new Technology in the field of animation and Gaming.

Conducting IT skills training at KVKs at district level for the groups and helping them to become IT competent. eg. LibreOffice, Linux, GIMP, Blender (used Graphics & Multimedia), BOSS Linux (Govt. Of India depts.), PHP & MySQL

Nehasrivastava616@gmail.com

Mob: 09910896727

October 07th, 2016