



# महाराजा गंगा सिंह विश्वविद्यालय Maharaja Ganga Singh University

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## Notice

To,  
The Principals/ Deans and HODs of all Departments.

**Subject:-** Submission of one year Planning of Spoken-Tutorial Software Training program to the Maharaja Ganga Singh University, Bikaner.

With reference to the collaboration of Maharaja Ganga Singh University with Spoken Tutorial, IIT Bombay, we recommend all the Campus Departments and the affiliated Colleges to submit one year planning of spoken tutorial program for their respective Departments/Colleges.

Spoken Tutorial (ST) program, IIT Bombay is working as Knowledge Partner with MGSU, to provide Basic IT and Skill oriented IT/ Software courses to students for FREE of COST. These courses will empower them by enhancing their skill set, making them more employable. Easy to learn on their own, and in their own campus. Software like **Linux, Scilab, Python, PHPMySQL, C, C++, Java** and many more can be learnt using this tool. It will be good value addition to the existing teaching and training of the students in IT Skills. The complete list can be seen in the link given below which also suggests which software is suited for which courses. [Click here E-Brochure](#). There are packages like Statistical packages, Data management for postgraduates. They can produce beautiful reports using **LaTeX**. Basic computer skills courses are also required. In all these courses LibreOffice suite is highly useful. LibreOffice is equivalent to MS-Office.

### Involvement of MGSU

- Planning and monitoring Tracking sheet which must be completed by each college by June 30th. (Before new academic year starts)

### Support from IIT Bombay team

- Help to select courses and complete filling the planner.
- Guidance from start and continuing for each and every college coordinator on Registration, getting the course materials, tests and certificates.
- Send brochures etc. To be used during orientation time when colleges reopen.
- Working to train faculty too periodically.

### Key Contacts :

MGSU Office – 1. Ms. Jyoti Lakhani, Contact No. 9887253020, E-Mail Id:-  
[jyotilakhaningsu@gmail.com](mailto:jyotilakhaningsu@gmail.com)

ST IITBombay -- 1. Ms. Nidhi Sony, Contact No. 7718989721, E-Mail Id:-  
[nidhisony04@gmail.com](mailto:nidhisony04@gmail.com)



# MAHARAJA GANGA SINGH UNIVERSITY

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19 May, 2016

To,  
All Heads of University Departments,  
All Principals of Affiliated Colleges,  
Maharaja Ganga Singh University, Bikaner

**Sub:** Collaboration of Maharaja Ganga Singh University, Bikaner with Spoken Tutorial Project, IIT Bombay as Knowledge Partner.

This is to announce that Maharaja Ganga Singh University has partnered with Spoken Tutorials, IIT, Bombay, which is an NMEICT ([www.shakshat.ac.in](http://www.shakshat.ac.in)), MHRD, Govt. of India initiative to enhance the skill of our students both UG and PG to promote and enable this ICT effort in the colleges. Spoken Tutorial Project is an award winning MOOCs (from Google), running a successful IT training program in India since past 5 years. Training is offered on Free and Open Source Software (FOSS), like Linux. Exotic and lucrative courses like Python, Perl, BASH, GIMP, Blender for multimedia, can be learned effectively through Spoken tutorials. The courses are useful for both jobs (skill focus courses) and academics (Syllabus focus courses). The program is funded by NMEICT – [www.shakshat.ac.in](http://www.shakshat.ac.in) MHRD, Govt. of India. Hence the courses, training, day to day guidance and certificates are all completely FREE of COST for life. **The training is on campus and can be accommodated in Computer lab hours.**

**Activities to be started by individual Institutes**

College Principal should appoint 2 faculty coordinators to start the program before 30<sup>th</sup> June 2016, and share details and send the notification to all departments.

**The coordinator will-**

1. Register/ create a login ID and become an authorized member of the program.  
Website : [www.spoken-tutorial.org](http://www.spoken-tutorial.org)

See the list of software for all the departments. (Click here E-Brochure)

Important Links:

**Training Flow**

**Faculty Coordinator Registration Link**

**Master Batch Upload link**

**Semester Training Planner (STP) link**

**Download the course link**

For guidance from Spoken Tutorial, you can contact-

**Nidhi Sony**

**Training Coordinator, Rajasthan**

**Spoken Tutorial, IIT Bombay, NMEICT, MHRD, Govt. of India**

**Mob. : 07718989721**

Sincerely,

  
(Chandrakala Padia)

Vice Chancellor

<b>Spoken Tutoria</b>				
<b>S. No.</b>	<b>Stream/ Branch/ Course</b>	<b>Courses</b>	<b>Year</b>	
1	Arts/UG/BA	Enviornmental Studies English Literature Economics History Political Science Geography Mathematics Sociology Home Science	1st Year	
				2nd Year
				3rd Year
	Commerce/UG/BCOM	Commerce	1st Year	
				2nd Year
				3rd Year
	Commerce/PG/MCOM	M Com ABST	1st Year	
				2nd Year
		MCOM EAFM	2nd Year	
	Education	BED	2 year scheme	
	Science/UG			

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			1st Year
		BCA	
			2nd Year
			3rd Year
			1st Year
		BSC	
			2nd Year
			3rd Year
	PG/Science/MS		2nd Year
		Chemistry	
			1st Year
		MSC (CS)	

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			2nd year
		MSC Math	
		MSC Zoology	1st Year

**Course recommendations for Maharaja Ganga Singh University, Bikaner**

<b>Subject</b>	<b>Course Content</b>
Elementary Computer Application	Operating System
	Internet, web browser, search engine
	Word Processing Packages
	Spreadsheet Packages
Computer Fundamentals and PC Software	Operating System
	Web Browser
	Features of Word Processor
	Features of Spreadsheets
	Power point presentation package
Database Management System	
Computer Applications	Programming with C
Internet and web programming	Web Browser, Internet and its application
Computer Applications	Multimedia:- Basic Image processing
	Web Development :- PHP MYSQL
Elementary Computer Application	Concept of Operating System
	Internet:- Web Browser
	Word Processing Packages
	Spreadsheet Packages
Computer Applications	Computer fundamental and pc software:- Word Processor, Spread sheet and Power Point Presentation
	Database Management System
Computer Applications	Programming with C
	Internet web programming:- Intoduction to WWW, Working of web browser
	Introduction to Java Script
Computer Applications	Graphics Basics
	Multimedia:- Basic Image processing
	Web Development :- PHP MYSQL
Statistical Techniques	
Operational Research and Quantitative Techniques	
Quantitative Techniques	
Computer Education	Computer Fundamentals,MS Office Package
	Operating System
	Internet and multimedia
102 Computer Fundamentals and office automation	word processor, spreadsheet, power point presentation
	Java Script

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	Database Concepts
103 Internet and web programming	Introduction to www, search engine, working of browser
104 Fundamentals of C programming	C
105 Database management system	DBMS
106 Computer Architecture	
202 OOPS with C++	
204 operating system	Unix/linux
206 Advanccd Database Management System	
207 Data Structure (Mini Project)	Graphical representation of insertion sort using C/C++
208 C++ Programming (Mini Project)	C++
301 Software Engineering and GUI Programming	
302 Java Programming	
304 Advanced Web Programming	C, .net, Java
305 Computer Graphics	
Elemantry Computer Application	Concept of Operating System, Internet, web Browser, MS Office Package
Mathmatical Concepts and computers	General introduction to computer, Computer language programing, operating system
Cell Biology, Bio chemistry and microbiology	
Computer Fundamentals and PC Software	Programming language, operating system
Database Management System	
Computational Biology and bio statistics	Introduction to MS Office Software
	Introduction to internet and its application
Cell Biology and genetics	
Computer Applications	Programming with C
	Internet web programming:- Intoduction to WWW, Working of web browser
Computer Applications	Photoshop Enviornment, Graphics basics
Web Development and PHP MYSQL	
501 Computer in Chemistry	Programming in chemistry
	Use of Computer Programms: Operation of PC, MS World, Excel
508 Computational Chemistry	C
	Advanced Scientific Package
	Computational treatments of Atoms and molecules
MCS 102	Programming with C++
MCS 103	Relational Database Management System
MCS 104	Operating System
MCS 106	Software Engineering and GUI Programming
MCS 201	Data and File Structure using C/C++

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MCS 202Computer Graphics	
MCS 203JAVA	
MCS 205Web Application Development	.net
Computer Applications	Operating System
	Programming Language C++
Computer Application in Biology	
Cell Biology	



<b>ST Course</b>
Linux
Firefox
LibreOffice Suite : - Writer, Calc, Impress (Similar to Word, Excel, Powerpoint)
Linux
Firefox
LibreOffice Suite
PHP MYSQL
C
Firefox
GIMP
PHP MYSQL
Linux
Firefox
LibreOffice Suite
LibreOffice Suite
PHP MYSQL
C
Firefox
Java
GIMP
GIMP
PHP MYSQL
Scilab
Scilab
LibreOffice Suite
Linux
Firefox and Gimp
LibreOffice Suite
Advanced Java

PHP MYSQL	
Firefox	
C	
PHP MYSQL	
QCAD	
C++	
Bash/Linux	
PHP MYSQL	
C and C++	
C++	
Python	
Java	
C. Netbeans, Java	
GIMP	
linux, Firefox, LibreOffice Suite	
C, Linux	
Cell Designer	
C, Linux	
PHP MYSQL	
LibreOffice Suite	
Firefox	
Cell Designer	
C	
Firefox	
GIMP	
PHP MYSQL	
Jmol, Ascend	
LibreOffice Suite	
C	
Scilab	
Gchempaint	
C++	
PHP MYSQL	
Linux	
Python	
C/C++	

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Gimp	
Java	
Netbeans	
Linux	
C++	
Cell Designer	






**1 Maharaj Ganga Singh University, Colleges for June/July 2016-May/June 2017**

<b><u>AFTER TRAINING STARTS</u></b>			<b><u>From IIT Bombay – select course of choice</u></b>		
	<b><u>(Per Course)</u></b>	<b><u>Status</u></b>			
<b><u>Course Start Date/s</u></b>	<b><u>Test Date/s</u></b>	<b><u>Spoken Tutorial Courses Completed (Course names &amp; Dates)</u></b>	<b><u>Recommended Spoken Tutorial Courses (Both Academics &amp; Skills)</u></b>		
			<b><u>Major Streams</u></b>	<b><u>Branches/ Depts.</u></b>	<b><u>Spoken Tutorial Course</u></b>
		<b><u>1<sup>st</sup> Yr</u> <b><u>2<sup>nd</sup> Yr</u> <b><u>3<sup>rd</sup> Yr</u></b></b></b>	<b>BSc-IT, BCA,MCA,MSc-IT, MSc-CS</b>	UG, PG Comp. Sc., IT, BCA, MCA	C, LibreOffice Suite and Firefox
					C++, Linux
					Java
					PHPMySQL (Web development, Database management)
					Perl, Python
					Scilab,
			<b>BSc and MSc other then IT</b>	For All Branches	LibreOffice Suite,Firefox, Linux
				Physics, Mathematics, Statistics, Geosciences	Scilab (similar to Matlab) – Matlab costs 7-8 lakh Rs. Scilab is free, C language

				Chemistry, Bio Sciences, Biotechnology, Microbiology	JMol, GChempaint (understand molecules and chemical structures)
				Bioinformatics	Biopython, Python
				Animation and Multimedia	Blender, GIMP, Inkscape
			<b>BA/B.Commerce</b>	Arts,Commerce,Economics, Social studies, Humanities,Political Science,History, Geography, others	LibreOffice Suite (like MS-Office), Tuxtyping, KTurtle
			<b>MSc/MA/M.COM and others</b>	PG students from all the different Colleges of the university and PhD Scholars (for their project/ thesis writing & data management work)	LaTeX – best for report writing(LaTex for their report writing and Scilab for Statistics, <b>LO Calc (UG) LO Base for Collection</b> , classification, Tabulation of statistical data – frequency distribution, diagrammatic and graphical representation of data)



