

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

(Established by Govt. of A.P., Act. No. 30 of 2008)

ANANTHAPURAMU - 515 002 (A.P.) INDIA.

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REGISTRAR



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Date: 16-02-2018

To

The Principals and Faculty of University Depts., Constituent & Affiliated colleges of JNTUA,
Sir/ Madam,

Subject : Govt. of India ICT program, e-Resource Spoken Tutorial (MOOCs) software courses to your students.

Jawaharlal Nehru Technological University, Anantapur has actively working with Spoken Tutorials, IIT Bombay which is an NMEICT, MHRD. Govt. Of India initiative to enhance IT skill set of our students. The audio video course material and certificates are provided for the same. The university agrees to include Spoken Tutorials as MOOCs for practical/lab courses, wherever possible.

Offered trainings are **Skill Oriented & Academic** importance (many of the offering are part of Lab course). Please make a note that students can refer to spoken tutorial material during their lab course timing in college and on personal computer through self learning mode.

All the Principals of constituent & affiliated colleges of JNTUA are requested to introduce this software training program in all departments. **JNTUA expects all the Principals to ensure the conductance of Spoken Tutorial Software Training for all departments in each semester and submit the status report at the end of each semester to Director of Academic Planning, JNTUA.**

Institute Activity :

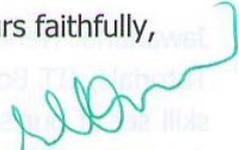
- All the Affiliated & Constituent Colleges of JNTUA are requested to fill the attached Form A and B and plan for the Training in their respective colleges and send it on samantsanchita@gmail.com each start of each semester (July-Jan 2018-19).
- Colleges which are yet new to this Program should firstly appoint a Faculty Organiser(s) and make sure all departments start the Trainings.

- After planning and filling the forms make sure all the procedure i.e Semester Training Planner (see attached Instruction sheet to complete the STP) is filled for the planned courses on Spoken Tutorial website www.spoken-tutorial.org to consider the training as completed (before Aug-Feb 2018-19).
- At the end of each semester, status report to be submitted by Colleges to JNTUA and Andhra Training Coordinator (In Nov and April).

Faculty Coordinators need to contact Ms. Sanchita Samant, 09167330348, samantsanchita@gmail.com ; if there is a query or lack of clarity during the entire process, so that the training program can be conducted with ease and with minimum efforts for faculty coordinators.

Nominated faculty coordinators kindly refer to attached Spoken Tutorial offerings matched with department requirements.

Yours faithfully,



REGISTRAR

DEPARTMENT	YEAR	SEMESTER	Spoken Tutorial course suggestion
CSE	I	I	C, C++
		II	Java
	II	III	Linux-Ubuntu – operating systems
		IV	PHPMySQL – database management
	III	V	Python – web programming Netbeans – Internet programming lab
		VI	Blender – computer graphics
	IV	VII	Drupal – Content management framework
		VIII	LaTeX – Useful for technical writing in projects

IT	I	I	C, C++
		II	Java
	II	III	Linux-Ubuntu – operating systems
		IV	PHPMYSQL – database management
	III	V	Python – web programming Netbeans – Internet programming lab
		VI	Blender – computer graphics
	IV	VII	Drupal – Content management framework
		VIII	LaTeX – Useful for technical writing in projects
MECH	I	I	C, C++
		II	Java
	II	III	Scilab
	III	V	OpenFOAM – fluid mechanics
	VII	LaTeX – Useful for technical writing in projects	

ECE	I	I	C, C++
		II	Java
	II	III	Scilab
	III	V	Oscad
	IV	VII	LaTeX – Useful for technical writing in projects
EEE	I	I	C, C++
		II	Java
	II	III	Scilab
	III	V	Oscad
	IV	VII	LaTeX – Useful for technical writing in projects

CIVIL	I	I	C, C++
		II	Java
	II	III	QCAD
		IV	GIMP
	III	V	Inkscape
	IV	VII	LaTeX – Useful for technical writing in projects
Chemical Engg	I	I	C, C++
		II	Java
	II	III /IV	Ascend
Biotechnology Engg	I	I	C, C++
		II	Java
	II	III / IV	Cell Designer

MCA	I	I	C, C++
		II	Java
	II	III	Linux-Ubuntu – operating systems
		IV	PHPMySQL – database management
	III	V	Python – web programming Netbeans – Internet programming lab
		VI	Blender – computer graphics
	IV	VII	Drupal – Content management framework
		VIII	LaTeX – Useful for technical writing in projects
MBA	I	I	LibreOffice Writer, Impress, Calc
		II	LibreOffice Draw, Math, Base Firefox
		III	Blender
	II	IV	GIMP, Inkscape

Form 'A'

Mapping of Curriculum with suitable Spoken Tutorial (ST) courses – the ST courses will be represented as “Value-Added lab Course”

For doubts contact :

Ms. Sanchita Samant

samantsanchita@gmail.com

Mob. : 09167330348

(Colleges to put the selected ST Course in a time-table when the new term starts. Students to be enrolled and to start viewing the course tutorial videos in the first week of the particular Subject Course starting.)

Subject Course name	Recommended ST Course	ST Course Selection	Stream / Dept.	Semester Number	Implementation process
					Complete activities per Form 'B' -
College to complete and send to IITB ST mgr. Swapnali					When term/ semester starts (July '18)
		Please tick mark per selection	Please fill in dept. Name	Semester Number	Proposed date to complete Form 'B'
(please fill in)					
Faculty of Information and Communication Engineering					
<u>Department of Computer Science and Engg,IT, ECE</u>					
C programming	C/C++				

Data Structures and Object Oriented Programming Laboratory.	C/C++				
Java programming	Java, Netbeans				
OOPs with Java	Java				
Operating systems	Linux-Ubuntu				
Database management	PHPMySQL				
Electronic Lab	Arduino				
Web programming	Python				
Internet programming lab	Perl, Ruby				
Open Source Lab	Linux- Ubuntu, BASH				
Computer graphics	Blender				
Content management framework	Drupal, Git				
Project Work	LaTeX - Useful for technical writing in projects				
Faculty of Technology					
<u>Department of Bio-Technology, Chemical Engg, Petroleum Engineering and Technology</u>					

Computer Practice Laboratory	C, C++				
Data Structures and Object Oriented Programming Laboratory.	Java				
Computational chemistry	Avogadro				
Applied Chemistry Lab	GchemPaint, Avogadro				
Biology Lab	Cell Designer, Jmol Applications				
ComputationalChemicalEngineeringLab	DWSIM				
Chemical process modelling	Ascend; Open Modelica				
Mathematics	Scilab				
Computational Biology Lab	Bio- python				
Fluid Mechanics Lab	Open Foam				
Open Source Lab	Linux- Ubuntu, BASH				
Employability Skills	Libre Office Suite – Writer, Calc, Impress				

Project Work	LaTeX – Useful for technical writing in projects				
Faculty of Civil Engineering					
<u>Department of Civil Engg</u>					
Computer Practice Laboratory	C, C++				
CAD Laboratory	QCAD				
CFD Lab	Open Foam				
Open Source Lab	Linux- Ubuntu, BASH				
Computer Aided Building Drawing	Blender , Open Modelica				
Applied Chemistry Lab	GChemPaint				
Project Work	LaTeX – Useful for technical writing in projects				
Faculty of Electrical and Electronics Engineering					
<u>Department of Electrical and Electronic Engg, Instrumental Engg</u>					
Computer Practice Laboratory	C, C++, Java				

VLSI Design Laboratory	Scilab, Arduino				
Open Source Lab	Linux- Ubuntu, BASH				
Electron Devices and Electric Circuits Lab	Oscad; Kicad; NgSpice				
Electronics Laboratory	Oscad; Kicad; NgSpice				
Project Work	LaTeX – Useful for technical writing in projects				
Faculty of Mechanical Engineering					
<u>Department of Mechanical Engg, Industrial Engg, Aerospace engg, Automobile Engg</u>					
Computer Practice Laboratory	C, Linux				
Electrical Engineering Laboratory	Oscad; Kicad; NgSpice				
Fluid Mechanics and Machinery Laboratory	OpenFoam				
C.A.D. / C.A.M. Laboratory	QCAD ; Open Modelica				
Mathematics –II	Scilab				
Computer Aided Part and Assembly Drawing (Aerospace engg)	QCAD ; Open Modelica				

Open Source Lab	Linux- Ubuntu, BASH				
Employability Skills	Python				
Project Work	LaTeX – Useful for technical writing in projects				
Faculty of Management Science					
<u>MCA, MBA</u>					
C programming	C/C++				
Data Structures and Object Oriented Programming Laboratory.	C/C++				
Java programming	Java, Netbeans				
OOPs with Java	Java				
Operating systems	Linux-Ubuntu				
Database management	PHPMySQL				
Web programming	Python				
Internet programming lab	Perl, Ruby				
Open Source Lab	Linux- Ubuntu, BASH				

Computer graphics	Blender				
Content management framework	Drupal				
Graphic and multimedia lab	GIMP, Blender				
Project Work	LaTeX - Useful for technical writing in projects				

Form B - To be completed in July 2018

College Name :-

Departments	Faculty Coordinator Details	Semester No.	Spoken Tutorial Course	Dates			
				Session Start date	Master Batch	STPs	Participant List/ Attendance
Eg. :-							
Computer Science Engg.	XYZ	I	C, Java	July 7th	19th June	22nd June	July 7th/8th
		II	C++, Blender				

Instructions on how to proceed from Course Selection Plan (CSP) in Forms A&B to Semester Training Planner (STP) Summary

Happy to see that you have already submitted the filled Forms A and B. Planning in advance is a must so now please proceed with completing the STP from our website. *This will be a guide to enable your Master Batches to avail of the best suited courses for them.*

STEPS TO FILL THE SEMESTER TRAINING PLANNER FORM (To be completed within 2 days of Session Start Date mentioned in Form B)

- Login to www.spoken-tutorial.org
- Keep your already filled Forms A and B ready and complete filling the [Semester Training Planner \(STP\)](#)

For Example - If you have planned for Computer Science Department -PHP - 2015,Java - 2016, C and Cpp - 2017 batch in July 2017, Semester - Then you proceed per the steps as mentioned below.

- Select Department – Computer Science
- Select Batch: Department and Year – 2017
- Training Type:
 - a. Select Software course Outside lab hours.
 - b. Select Software course Mapped in lab hours.
 - c. Select Software course Unmapped in lab hours.
- Fill Semester Start Date – “3rd July 2017”
- Select Software course: (List of Foss) – C and CPP
- Click on "Submit"

In the same way fill the STPs for other 2 batches also.

eg. Select Year 2016, Select Software course Java AND Select Year 2015, Select Software course PHP

IMPORTANT

- Now you have finished the STPs for Computer Science Dept. Similarly proceed for other departments if your Forms A & B mention Course Selection Plans for them.
- The STPs must be perfectly matched with the courses and departments listed in Forms A & B.
- You have to upload the Master Batch list within 2 days of the date mentioned for the same in Form B. :- [Instruction to upload Master Batch list](#)
- As soon as you complete submitting Semester Training Planner, make sure you select the participant list in that week itself.
- After you complete the last step [Select Participant List](#) your training will be complete.
- After 5-6 weeks of Training, fix a date for when to conduct the assessment test, in order to get the Certificates. :- [Instruction to make Test Request](#)

For help contact Sanchita at Mob.: 09167330348