# IKG PUNJAB TECHNICAL UNIVERSITY, KAPURTHALA
## DIRECTOR (MAIN CAMPUS)

**Ref. No. DIR/IKGPTU/MC/SPL01**                                    **Date:26.03.2020**

### CIRCULAR

**Subject –** Remote Learning through IIT Bombay ST Software Courses during Corona Virus Outbreak

In the present scenario of Corona Virus (COVID-19) Outbreak, teaching in Main and Constituents Campuses of University are closed up to 31.03.2020.
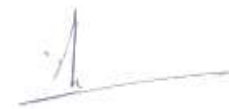
With the approval of Hon'ble Vice Chancellor, Students/faculty of IKGPTU Main and Constituents Campuses may refer to learn IT Software Courses during the closure of Institutions (till 31$^{st}$ March 2020) through the portal **spoken-tutorial.org**.

The List of Spoken Tutorial Courses available at **spoken-tutorial.org** is attached as an Annexure-I with this circular.

All HODs and Campus Incharges are requested to share the said link with students through any mode (WhatsApp Groups/Google Groups, emails etc). Students can learn remotely through given link and test will happen in campus itself when students will come back to University.

For any query related to process, course, test, etc., please contact the following person:

**Dr. Tanvir Singh**
**Training Manager – Punjab**
**IIT Bombay Spoken Tutorials, MHRD GoI**
**9041633230,** singhtanvir21@gmail.com

                                                        **(Dr. Yadwinder Singh Brar)**
                                                          **Director Main Campus**

Cc:-

1. I/C Secretariat, O/o Vice Chancellor: For kind information of Vice Chancellor
2. Registrar
3. COE
4. Dean (Academics)
5. AR (MC- Academics)
6. File

| | Spoken Tutorial Courses Recommendation | |
|---|---|---|
| | **Departments** | **Spoken Tutorial Software E- Resource for learning** |
| | Computer Programming Lab | C, Cpp |
| | Java Programming Lab | Java |
| | Computer Graphics | Blender, GIMP |
| | Unix Network Programming & Simulation Lab | BASH |
| | Fluid Mechanics Lab | OpenFOAM |
| | CAD Lab | QCAD |
| | Electrical and Electrinics Engineering Lab/VLSI Design | Oscad, FreeEDA |
| | Database Mangement system Lab | MySQL |
| | Web Development | PHP |
| B.TECH (all departments-Lab) | Web Technology Lab | Python |
| | Operating System | Linux- Ubuntu,BOSS |
| | Digital Signal Processing/Numerical Method | Scilab |
| | Mathematics/Physics/Simulation Lab | Scilab |
| | Chemistry/ Molecular Biology | Jmol Applicaion, Gchempaint |
| | Multimedia Technologies | Blender, GIMP |
| | Seminar/Project | LaTeX |
| | General IT Skill Package | Linux, LibreOffice Suite |
| | Web Browser | Firefox |
| | | |
| BHMCT | all departments | Basic IT Skills- Linux, Libre Office Suite |
| B.Pharma | all departments | Basic IT Skills- Linux, Libre Office Suite |
| B.Architecture | all departments | Basic IT Skills- Linux, Libre Office Suite Blender, Qcad, Inkscape, GIMP |
| BCA | all departments | Basic IT Skills- Linux, Libre Office Suite, C, C++,PHPMySQL,Java, |
| B.P.Ed./ BHM / BJMC/ BHMCT | all departments | Basic IT Skills- Linux, Libre Office Suite |
| MBA/ M. Pharma | all departments | Basic IT Skills- Linux, Libre Office Suite |
| MCA | all departments | C , C++, MySQL, Java, Qcad and Blender, LaTeX |

| M. Tech | all departments | C++, GIMP, OpenFOAM, LaTeX |
|---|---|---|
| **BSC-IT, BCA,MCA,MSc-IT** | UG, PG Comp. Sc., IT, BCA, MCA | C, Libre Office and Firefox |
| | | C++, Linux |
| | | Java |
| | | PHPMySQL (Web development, Database management) |
| | | Perl, Python |
| | | Scilab, |
| **BSc and MSc other then IT** | For All Branches | Libre Office,Firefox, Linux |
| | Physics, Mathematics, Statistics, Geosciences | Scilab (similar to Matlab) – Matlab costs 7-8 lakh Rs. Scilab is free, C language |
| | Chemistry, Bio Sciences | JMol, GChempaint (understand molecules and chemical structures) |
| | Bioinformatics | Biopython, Python |
| | Animation and Multimedia | Blender, GIMP, Inkscape, Audacity |
| **BA/B.Commerce** | Arts,Commerse,Economics, Social studies, Humanities, others | LibreOffice (like MS-Office), Tuxtyping, k-turtle, Java for Comm. IT |
| **MSc/MA/M.COM/M.Phil** | PG students from all the different Colleges of the university (for their project/ thesis writing & data management work | LaTeX – best for report writing(LaTex for their report writing and Scilab for Statistics, **LO Calc (UG) LO Base for Collection,** classification, Tabulation of statistical data – frequency distribution, diagrammatic and graphical representation of data) |