



भारतीय प्रौद्योगिकी संस्थान मुंबई  
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IIT Bombay

**Collaboration of**  
**Assam Science and Technology University (ASTU), Guwahati**  
**with**  
**Spoken Tutorial (ST) - IIT Bombay, NMEICT, MHRD, Govt. of India -**  
**as Knowledge Partner**

**About Spoken Tutorial :**

It is an audio-video method to learn Software, developed by IIT Bombay. 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 National Mission on Education through ICT (NMEICT / Sakshat), MHRD, Govt. of India funded project of National Importance so 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 easily.

**Purpose of Collaboration :**

The reason to approach Assam Science Technological University is because it is a prestigious institute and can become a shining example in not just Guwahati but in Assam to introduce ICT enabled IT training to all students, Skill Development needs. IT/ Software knowledge and competence will also impact the field of science and technology with the new innovative methods of teaching and learning. As a Knowledge Partner, ST will help to implement the training program smoothly so that IT/ Software training reaches quickly and systematically to the various departments of all the affiliated institutes under Assam Science and Technology University.

**Proposed Agendas**

<b><u>ASTU Vision / Mission</u></b>	<b><u>Joint Activities - Spoken Tutorial and ASTU</u></b>
<b>To Organise UG and PG programs in science, engineering &amp; technology.</b>	<p>1) Deploy ST based IT courses training to the students in each institute/colleges.</p> <p>eg. PHPMySQL, Animation pkgs.,Multimedia, Programming languages C/Java etc. For Ph.D and research scholars LaTeX will be best for report writing</p> <p>2) Incorporate in the syllabus/time-tables/curriculum in each depts. (We will do the mapping for the suitable course recommendation.) eg. PHPMySQL, Animation pkgs.,Multimedia, Programming languages C/Java etc. For Ph.D and Research scholars - LaTeX will be best for report writing</p>

To update the knowledge and skills of working professionals through educations programs.	Offer General IT skill training package in all the administrative departments. <b>Libre Office</b> : Making documentation, spread sheets, presentation. <b>Linux</b> : Free and open source operating system, <b>BOSS Linux</b> : Use in Govt offices.
To develop Centres of excellence for higher studies and research in basic and applied sciences, engineering, technology and management education.	Spoken Tutorial, IIT Bombay will work closely and continuously in the future to create Nodal Centres to help ASTU develop the Centres of excellence to use the relevant software courses. (eg. Gchempaint, Jmol application, Cell Design) for Biosciences/ Pharmacy. Also in their course work and ensure deep and complete coverage in these places.

Departments	<u>Course/ Software suggestions</u>
Engineering and Technology and Ph.D	Java, C, C++, Perl, Python, Scilab, PHPMySQL (Web development, Database management), LaTeX – best for report writing), Netbeans ,Oscad, OpenFOAM, Ascend, etc.
Management	Linux, LibreOffice Suite, Firefox.
Pharmacy	Jmol Application, GChempaint (understand molecules and chemical structures)
Architecture	Blender, GIMP, Inkscape, QCAD, LibreOffice Writer, Calc, Draw

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