

**Semester Training Planner (STP) of STRC-HIT Odd Semester AY 2016-17**

| Dept. | FOSS Tool/<br>Software | FOSS Description (Brief)  | Training/Workshop<br>Dates (Tentative) 2/3 Hrs. | Student<br>Limit | Departmental Faculty<br>Coordinator(s)  | Departmental Student<br>Coordinators  |
|-------|------------------------|---|---|------------------|---|---|
| BT    | Python                 | programming language  | 23 <sup>rd</sup> August, 2016                   | 20               | Dr. Tarun Kanti Mandal,<br>Assoc. Prof.<br>Tel:9433384747<br>tkmandal09@gmail.com         | 4 <sup>th</sup> yr: Nandita Patra, 8293323188<br>3 <sup>rd</sup> yr: Priyanjana Mukherjee,<br>8420532079<br>2 <sup>nd</sup> yr: Urshita Mazumdar,<br>9475245254 |
|       | Cell Designer          | Structured diagram editor for drawing gene-regulatory and biochemical networks. | 6 <sup>th</sup> September, 2016                 | 20               |   |   |
| CS    | Python                 | programming language  | 2 <sup>nd</sup> week of August,2016             | 20               | Mr. Anupam Pattanayak<br>Asst. Prof.<br>Tel:9476429255<br>anupam.pk@gmail.com             | 3 <sup>rd</sup> yr:<br>Shubham Singhanian, 9002135992<br>2 <sup>nd</sup> yr:<br>Shubham kumar, 9083487539<br>Krishnendu Mondal, 8420331538                      |
|       | Scilab                 | Computational Software  | 4 <sup>th</sup> week of August, 2016            | 20               | Mr. Arindam Giri, Asst. Prof.<br>Tel:9434239187<br>ari_giri111@rediffmail.com             |   |
| EC    | Blender                | Graphic Software  | 29 <sup>th</sup> August, 2016                   | 20               | Mr. Dibyendu Chowdhury<br>Asst. Prof.<br>Tel: 9932644639<br>dibyendu.chow@gmail.com       | 3 <sup>rd</sup> yr:<br>Aman Raj, 7063767412<br>Saddam Hussain, 8972256601<br>2 <sup>nd</sup> yr:<br>Kanika Chaudhary, 7384688321<br>Sumit Anand, 7098172564     |
|       | eSim                   | EDA Tool  | 1 <sup>st</sup> September, 2016                 | 20               |   |   |
|       | Python                 | programming language  | 30 <sup>th</sup> August, 2016                   | 20               | Mr. Surajit Mukherjee, Asst. Prof.<br>Tel: 9903872605<br>ece.surajit@yahoo.com            |   |
|       | Scilab                 | Computational Software  | 2 <sup>nd</sup> September, 2016                 | 20               | Mr. Tirthadip Sinha, Asst. Prof.<br>Tel:9477167865<br>tirthadip.sinha@gmail.com           |   |
| EE    | Java                   | programming language  | 1 <sup>st</sup> week of<br>September,2016       | 20               | Mr. Sourav Kumar Das<br>Asst. Prof.<br>Tel: 9433436800<br>sourav.besu2006@gmail.com       | 3 <sup>rd</sup> yr:<br>Vivek Kumar Khandelwal,<br>7076243885<br>Subir Kumar, 9635272260<br>2 <sup>nd</sup> yr:<br>Viranchi raja, 8290103997                     |
|       | Python                 | programming language  | 2 <sup>nd</sup> week of<br>September,2016       | 20               |   |   |
|       | C                      | programming language  | 3 <sup>rd</sup> week of August,2016             | 20               | Mr. Shubhasish Sarkar, Asst.<br>Prof.<br>Tel: 9832151208<br>shubhasish.sarkar18@gmail.com |   |
|       | C++                    | programming language  | 4 <sup>th</sup> week of August,2016             | 20               |   |   |
| IT    | Python                 | programming language  | 4 <sup>th</sup> week of August, 2016            | 20               | Mr. Bidyut Das, Asst. Prof.<br>Tel:9434415548<br>bidyut2002in@gmail.com                   | 3 <sup>rd</sup> yr:<br>Megha Ganguly, 9614233248  |
|       | PHP & MySQL            | programming language  | 1 <sup>st</sup> week of September,<br>2016      | 20               | Ms. Madhumita Maity, Asst. Prof.<br>Tel:9474616344<br>madhu.maity07@gmail.com             |   |

**Student Supervisors from STRC-HIT:**

Sumit Kr. Agarwal, 4<sup>th</sup> Year ECE student, Tel: 9614798135, Email: skagarwal7757@gmail.com

S. Sourav Kumar, 3<sup>rd</sup> Year CSE student, Tel: 8293424664, Email: souravbadami@gmail.com



# Spoken Tutorial Resource Center, Haldia Institute of Technology (STRC-HIT)

**STRC-HIT** is a collaboration between Haldia Institute of Technology (HIT) and Spoken Tutorial Project group of IIT Bombay to empower the students in Free and Open Source Software (FOSS) which are available **free of cost** from developer's site.

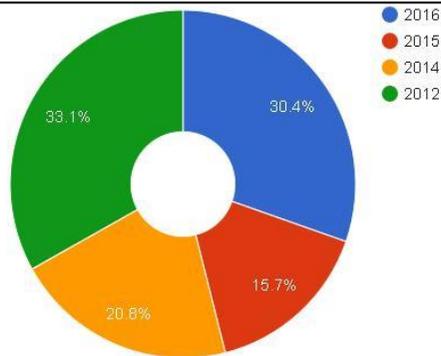
The Spoken Tutorial project is the initiative of the "Talk to a Teacher" project of Indian Institute of Technology, Bombay, funded by Ministry of Human Resource Development (MHRD), Government of India, under the National Mission on Education through Information and Communication Technology (NMEICT) to spread IT literacy in all over India. This MOOCS program (awarded by GOOGLE) teaches various software skills to all the engineering and technology students with both academic and employment focus.

STRC-HIT's training/workshops provide you with an opportunity of e-learning which is a new method of learning where one is self-tutored through audio-videos, online examination and certification by IIT Bombay. The idea is to properly train students, who will in return further help to train other students for their own thoroughness and keep this initiative active and growing. **'Learn yourself and help others to learn software at free of cost'**.

**N.B.- MAKAUT (formerly WBUT) already included a Design lab into revised syllabus for final year CSE and IT students based on the Spoken Tutorials (basically Audio-Video platform for self learning) which would be graded through online assessments by IITB at free of cost.**

Statistics of the Spoken Tutorial workshop/Training conducted in HIT so far =>

|                                   |     |
|-----------------------------------|-----|
| Total number of Workshop/Training | 037 |
| Participants Count                | 975 |



With the interests and active participations from the five engineering branches, STRC-HIT has organized the following training/workshops in even semester 2016:-

# PYTHON and 'C' in CSE dept. # OSCAD and SCILAB in ECE and EE dept. #NETBEANS and PERL in IT dept. #BLENDER in Civil Engg. Dept.

**Open source efforts are not only idealistic, but make economic and commercial sense as well. These have a potential to empower all Indian children to collaborate and make us a developed nation. We invite you to join us.....**

#Facebook Group => STRC-HIT Haldia (Official)

<https://www.facebook.com/groups/1636385643282689/>

#Facebook Page => STRC-HIT

<https://www.facebook.com/hitstrc/>

# Listing Resource Centers => Academic Center Information:

<http://spoken-tutorial.org/software-training/academic-center/143/haldia-institute-of-technology/>

#Web presence of MAKAUT (formerly WBUT) where they have mentioned Spoken Tutorial:

<http://spoken-tutorial.org/news/official-letters-and-links/web-presence-of-wbut-where-they-have-mentioned-spoken-tutorial/>



**STRC-HIT is presently offering following FOSS training/workshop for the students with active help from Spoken Tutorial Project, IIT Bombay:**

| <b>FOSS</b>           | <b>Relevant Department(s)</b><br>(but not restricted to others) | <b>Commercial Equivalent software</b> | <b>Applied</b> in research/ academia/ industry/public sector <b>so far</b>  |
|-----------------------|---|---------------------------------------|---|
| LaTeX                 | All Engineering streams specially CS/IT/MCA                     | MS word                               | Value addition to academic Skills set. Essential for International paper presentation and scientific journals.  |
| PHP & MySQL           |   | .NET                                  | Website Developer in all types of small and large enterprises, Air-India, Bridge & Roof Co., Media channels, agencies etc.  |
| C/C++                 |   | Programming language                  | Popular companies requiring programmers on C/C++, Java, Netbeans, Perl and Ruby are HCL technologies, Wipro, L&T, TCS etc.  |
| Java                  |   |                                       |   |
| Netbeans              |   |                                       |   |
| Perl                  |   |                                       |   |
| Ruby                  |   |                                       |   |
| Python                |   |                                       |   |
| Scilab & Scicos       |   | ECE/ EE/ EIE/ ICE                     | MATLAB & Simulink   |
| eSim (formerly OSCAD) |   | OrCAD                                 | EDA tool for circuit design, simulation, analysis and PCB design in SME's and academic institutions.  |
| Blender               | All Engineering streams specially CE/PE                         | AutoCAD, Maya 3D                      | Sectors, such as advertising, PC games, TV, education, interior-decoration etc. <a href="http://www.oniria.com.br">www.oniria.com.br</a> ; <a href="http://redcartel.com.au">http://redcartel.com.au</a> ; <a href="http://www.flipdesign.co.nz">www.flipdesign.co.nz</a> ; |
| OpenFOAM              | ME/Chem   | Fluent                                | BARC, Tata steel, Volkswagen and it's daughter companies like Audi, Seat etc. make heavily use of OPENFOAM ...  |
| GChemPaint            | Chem  |                                       | 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.   |
| Cell Designer         | BT  |                                       | A modeling tool of biochemical networks, used in Mizuho Information & Research Institute Mitsui Knowledge Industry Co. Ltd. Dept. of Bioscience and Informatics, Keio University Okinawa Institute of Science and Technology  |



Knowledge is Virtue