



GTU OSTC  
Open Source Technologies Club

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
Open Source Technologies Club (OSTC)

## **Spoken Tutorial Workshop & Test Report on**

*'C' language & SCILAB*

Organized under

*GTU Open Source Technologies Club (GTU OSTC)*

IN

February & March 2014

At



B A B A R I A  
**INSTITUTE OF TECHNOLOGY**  
Managed by:  
**SHREE KRISHNA EDUCATIONAL CHARITABLE TRUST**  
BITS edu campus, Vadodara - Mumbai NH # 8, Varnama - 391 240, Vadodara  
[www.bitseducampus.org](http://www.bitseducampus.org)



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## Open Source Technologies Club (OSTC)

GTU has taken Open Source Technology Club initiative for all the colleges in collaboration with Spoken Tutorial Project-IIT Bombay. The objective of Spoken Tutorials is to learn Free and Open Source Software (FOSS) and pass certification exams conducted online by IIT Bombay. It helps the students to learn topics through simple tutorials free of cost .

Workshop of Scilab was organized in computer labs. **On 20<sup>th</sup> Feb 2014, 50 students and on 24<sup>th</sup> Feb 2014, 50 students of Electrical Engineering Department, BITS edu campus** have participated in that workshop. The faculty coordinator was Prof. Pavan Ramrakhyani and student coordinators are Mr. Chintan Bhatt & Mr. Ishan Patel

Workshop Code	WC-7345 , WC-7598
FOSS Category Academic Center code	Scilab
	GUJ-00051
Date	20/02/2014, 24/02/2014
Time	15:00PM

Scilab is a programming language associated with a rich collection of numerical algorithms covering many aspects of scientific computing problems. From the software point of view, Scilab is an interpreted language. This generally allows to get faster development processes, because the user directly accesses a high-level language, with a rich set of features provided by the library. The Scilab language is meant to be extended so that user-defined data types can be defined with possibly overloaded operations. Scilab users can develop their own modules so that they can solve their particular problems.

An **online test for 60 students** was conducted on **9<sup>th</sup> April 2014 & 21<sup>st</sup> April 2014 (Test codes TC-2860 & TC-4086 respectively)** under the invigilation of Prof. Ketan Damor



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**SCILAB WORKSHOP LAB SESSIONS**





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The workshop on the Spoken Tutorial Project was conducted for learning **C- language** via an easy video tool-spoken tutorial on **3<sup>rd</sup> and 4<sup>th</sup> March, 2014** by the **Mechanical Engineering Department of BITS edu campus**. In two days' workshop, it was an opportunity for the students to learn C-language and to get a certificate from IIT Bombay. In this workshop, around 87 students participated to improve their IT skills. They learnt the simple syntax, powerful features, and portability which makes C preferred language among programmers.

Workshop of 'C' was organized in the computer lab by the BIT Team OSTC to **87 students of Mechanical Engineering** department. Prof. Ratnesh Parmar was coordinating the workshop along with Mr. Nilay Shah & Mr. Hem Vadodaria, OSTC student coordinators.

## Workshop Details:

Workshop Code	WC-7916	WC-7924
FOSS Category	C language	C language
Academic Center code	GUJ-00051	GUJ-00051
Date	03-03-2014	04-03-2014
Time	03:00PM-05:00PM	03:00PM-05:00PM

C is one of the most widely used programming languages of all time and C compilers are available for the majority of available computer architectures and operating systems. C language is used for developing system applications that forms major portion of operating systems such as Windows, UNIX and Linux. Database systems, Graphics packages, Word Processors, Spread sheets, Operating system development, Compilers and Assemblers, etc. some examples of C being used.

The students found the tutorial easily understandable as it was in the form of audio-video tool and also were able get hands on experience of the same simultaneously. An online test of C language managed by IIT Bombay was planned. **Online Tests** of the same were conducted on **10<sup>th</sup> & 11<sup>th</sup> March 2014 (Test codes are TC -2935 & TC-2932 respectively)** under the invigilation of Prof. Mukund Pandya.

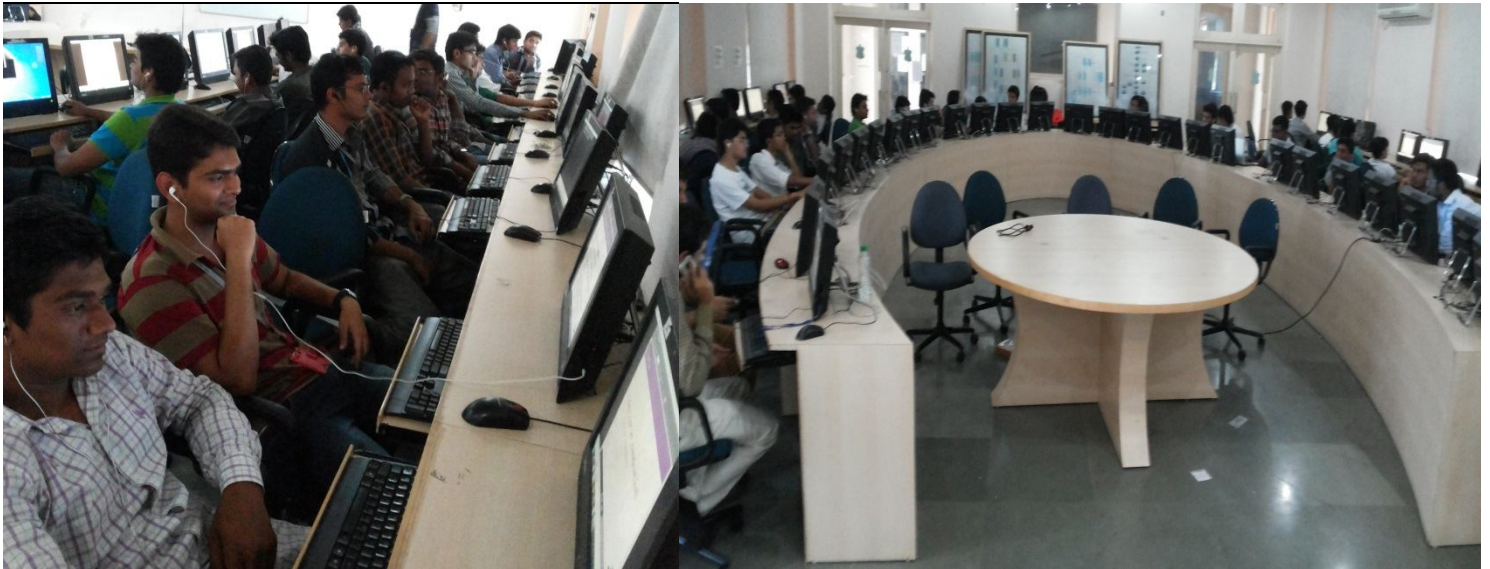




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**WORKSHOP SESSION ON 3<sup>rd</sup> MARCH, 2014**





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**WORKSHOP SESSION ON 4<sup>th</sup> MARCH, 2014**