

**National Workshop on
Free and Open Source Software Tools for
Software Engineering
20th August 2016
Registration Form**

1. Name:
2. Designation:
3. Organization:
4. Specialization:
5. Address:
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6. Accommodation Required: YES/NO
7. Gender: Male/Female
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Amount: Rs.....
- DD No:Drawn on:
- Branch:
- Place:
- Date: Signature of the Applicant
- Signature of Sponsoring Authority (with Seal)

Copies of this form can be made, if necessary. Please send the duly filled in advance Registration Form to the Convener at fostse2016@gmail.com on or before 15th August 2016. The details of the workshop & the form can also be downloaded from our website: <http://www.cvrce.edu.in>

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**NATIONAL WORKSHOP
on
FREE AND OPEN SOURCE
SOFTWARE TOOLS FOR
SOFTWARE ENGINEERING
(FOSSTSE-2016)
20th August 2016**

**Co-sponsored
by
FOSS Project, MHRD
IIT Kharagpur**



Dr. Chhabi Rani Panigrahi
Convener
Dr. Bibudhendu Pati
Co-convener



**Department of CSE & IT
C. V. Raman College of Engineering
(Autonomous)**

**Bidya Nagar, Mahura, Janla,
Bhubaneswar-752054, Odisha**

<http://cse.cvrce.edu.in>



About the Institute

C. V. Raman College of Engineering (Autonomous) extending over 100 acres of beautiful landscaped area, situated on the outskirts of Bhubaneswar, is a progressive institute in Odisha, set up to promote the highest standards of technical education in the state. It was established in the year 1997 in the name of Nobel laureate Sir C. V. Raman with an objective to impart quality education and training leading to B.Tech, M.Tech, MBA, and MCA. This college is affiliated to Biju Patnaik University of Technology (BPUT), Odisha and approved by AICTE, NAAC, and NBA. It is 10kms from Baramunda Bus stand, 17kms from Bhubaneswar Railway Station & 15 kms from Biju Patnaik International Airport towards Khordha.

Department of CSE & IT

The Department of CSE & IT established in the year 1997 offers UG & PG programs. The students are focused with the use of conceptual understanding of core domain areas in computing as well as enhanced programming skills disseminating their analytical abilities. Our aim is to provide our students the lifelong learning and leadership skills that enable them to grow in their professions and advance to positions of responsibility by effective Industry-Institute Interaction. Both the departments have excellent placement records and our students are placed in many reputed software industries and MNCs. The department has been accredited by NBA.

About the Workshop

The Workshop on Open Source Tools for Software Engineering Applications is supported by MHRD in order to popularize the existing open source tools. This workshop will provide a forum for the advanced open source tools required for software development and testing. The main goal of this workshop is to create awareness among the academicians, researchers, software developers, and students about use of the recent open source tools which will enable them to make the academic and research activities hassle free.

The workshop mainly includes lectures and hands-on for the open source tools such as Eclipse, JMeter, MILU, Jumble, Cobertura, PlantUML, GanttProject, LibreProject, Redmine, aNimble, Selenium, and TestComplete etc.

Eclipse is an Integrated Development Environment (IDE). It works with a base workspace with supported and extensible plug-in system for customizing different environments. The main purpose of eclipse is to develop application using Java.

JMeter is an Apache product that can be used as a load testing tool for analyzing and measuring the performance of a variety of services with a focus on web applications.

Selenium is a portable software testing framework for web applications. Selenium provides a record/playback tool for authoring tests without learning a test scripting language.

MILU, a C mutation testing tool designed for both first order and higher mutation testing.

Jumble is a class-level mutation testing tool that works in conjunction with JUnit. Jumble is a Java application that mutates a Java class at the byte code level and runs its corresponding unit test to determine the number of live and killed mutants.

Cobertura is a coverage tool which ensures the coverage of lines of code. It also checks how good the regression tests are and can be used as plug-in under Eclipse.

PlantUML is an open-source tool that allows users to create UML diagrams from a plain text language.

The language of PlantUML is an example of an Application Specific Language.

GanttProject, **ProjectLibre**, and **Redmine** are public-licensed freeware project management software that runs under the Windows, Linux and Mac OS.

Jenny and Pict are combinational test generation tools.

The workshop also includes **Student Competition** on using open source tools in software development. The winner shall be awarded prize and the top 5 will be awarded merit certificates. Those planning to register in student competition must submit one page write up indicating novelty before 1st August. The top five will have to give demonstration in the workshop.

Resource Persons

1. Prof. Rajib Mall, IIT Kharagpur
2. Dr. Durga Prasad Mohapatra, NIT Rourkela
3. Dr. Srinivas Prasad, GMR Institute, Andhra Pradesh
4. Dr. Chhabi Rani Panigrahi, CVRCE, Bhubaneswar
5. Dr. Abhishek Ray, KIIT University, Bhubaneswar
6. Dr. Tirimula Rao Benala, JNTU, Vizianagaram

Registration

Applications in the prescribed format and the registration fee as given below in the form of cash in the spot registration counter or DD in favour of "FOSSTSE-2016" payable at UBI, C. V. Raman College Branch, Bhubaneswar. But the scan copy of registration form must reach the Convener at fosstse2016@gmail.com on or before 15th August 2016 for selection. Registration fee includes workshop materials, snacks, and lunch. Selection of participants will be based on first come first serve basis.

The participants are requested to bring their Laptop and pen-drive for hands-on session.

Fee Particulars

Employee from Industry and R&D	Rs. 500/-
Faculty from Academic Institutions	Rs. 300/-
Full time Research Scholars & Students	Rs. 200/-
Faculty and Students of CVRCE, BBSR	Rs. 100/-

