

About C-DAC Mumbai

The Centre for Development of Advanced Computing, Mumbai (erstwhile National Centre for Software Technology) is a scientific society of the Department of Information Technology involved in Research and Development into areas of Software Technology. Current focus areas are Artificial Intelligence, Open Source Software Development, Educational Technology, Disaster Recovery, e-Governance, among others.

C-DAC Kharghar Centre

The Kharghar centre carries out R&D activities under the divisions namely KBCS, OSSD, ETU & CNIE in the areas of artificial intelligence, open source software development, education technology and computer networks & Internet engineering respectively. KBCS (Knowledge Based Computer Systems) Division mainly focuses on areas like Natural Language Processing, Machine Learning, Expert Systems, Information Retrieval, Data Mining & Soft Computing etc. OSSD (Open Source Software Division) works mainly in the areas of Localisation, Accessibility, e-Learning etc. ETU (Educational Technology Unit) activities involve Instruction Design, Constructive Learning Environments, Assessment Technologies, Content Creation & Management, e-Learning frameworks and tools. CNIE (Computer Networks and Internet Engineering) division activities involve mainly Storage Area Networks and Disaster Recovery.

Major contributions of Kharghar centre in various areas of R & D include MaTra & EILMT (English-Hindi Machine Translation), Vidwan(Rule-based expert systems shell), Xlit (Transliteration tool for English-Indian Language pairs), FOSSKBREDU (Dynamic knowledge repository for education using FOSS tools), Anumaan (Predictive text entry system for people with motor disability), SuTra (Intelligent suggestive translation for localisation), Enhancing Accessibility for FOSS Desktops for people with visual, physical, and cognitive disability, Veda (Online Testing and Question Banking System), Moodle enhancements for organizations like SBI, Framework for Adaptive Instruction to enable personalised learning, T²ST² - Teachers' Training and Student Talent Transformation (Creating education repository for Maths and other subjects pertaining to secondary level schools), Online Labs (OLabs) for School lab experiments and Revival-1000 (Internet Protocol Storage Area Networks based Disaster Recovery solution).

C-DAC Kharghar centre carries out educational and training activities in the form of continuing education. It conducts the well-established one-year course namely Full-time Post Graduate Diploma in Software Technology (FPGDST). R&D divisions at the centre also conduct courses oriented towards professionals.

FPGDST imparts rigorous training in the complete software development process. The programme has been designed to provide proficiency in the fundamental aspects of software technology along with in-depth hands-on experience, thus enabling the participants to have a valuable profile in the IT industry for many years to come. This course is aimed at providing fresh or experienced graduates an opportunity to pursue further education in the field of software technology.



Centre for Development
of Advanced Computing
Mumbai

National Workshop on

FOSS Desktop Accessibility

C-DAC Kharghar, Navi Mumbai
Friday, August 26, 2011

<http://www.cdacmumbai.in>



FOSS Desktop Accessibility

In today's world, the use of information and communication technologies (ICT) is growing day by day. We use these technologies very extensively in fulfilling our routine tasks like bill payments, banking transactions, reservations and many more to the extent that ICT is not a luxury, but necessity today. A large section of the society comprising people with disabilities finds it difficult to use ICT in the same way as normal people do. This includes the visually impaired (fully or partially blind), hearing impaired, people with cognitive disabilities (memory loss, etc.) and cerebral problems etc. Such people have to be provided with different kinds of assistive technologies, either software-based or hardware-based, to make ICT accessible to them. A large number of software-based assistive technologies are normally in the form of applications running on desktops which make common desktop applications (office applications, browser etc.) accessible to the disabled users. Free & Open Source Software (FOSS) tools/techniques play an important role in creating assistive technologies that are free-of-cost, available to all, customizable, easily maintainable etc. for a large portion of population in a country like India.

About Workshop

The workshop intends to provide a platform for development and adoption of FOSS solutions in the area of accessibility as well as creating opportunities for all stakeholders to discuss and identify the areas of accessibility that are still untouched. The workshop will host keynote and invited lectures by experienced professionals of the field.

Objective of Workshop

- ▶ To highlight the current trends in the area of accessibility.
- ▶ To create awareness about the role of technology to improve the lives of differently-abled people.
- ▶ To create awareness about the role of FOSS in developing accessible solutions and demonstrate select FOSS-based assistive technologies.

Target Audience

- ▶ Differently-abled people like people having cognitive, physical, and visual impairments.
- ▶ Educational Institutions/Organisations/NGOs working in accessibility/disability sector.
- ▶ Care takers/teachers/practitioners working for disabled people.
- ▶ Researchers working in the area of accessibility.
- ▶ Industry professionals and experts involved in the area of accessibility.

Accommodation Availability

Limited amount of single room hostel accommodation is available in the campus. We can also help arrange accommodation in a nearby hotel. For details, kindly visit our website <http://www.cdacmumbai.in>.

Registration Details

Registration will be on first come first serve basis. Fees details are as below:

Category	Fees (in `)
Teachers, Full-time students & Disabled	600/-
Others	750/-

All payments should be made by a Demand Draft drawn in favour of "C-DAC Mumbai" payable at **Mumbai**.

Note: The accommodation charges are separate from registration fees.

Supported by



<http://nrcfoss.org.in>

Contact Us

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