



**Interdisciplinary  
School of  
Scientific Computing**

*iSSc*

**Technovation'12**  
TECHNOVATION, IS

(Sponsorship Proposal)



**University of Pune**

## **About the School**

There is hardly an area of science or engineering that does not use Computers for modeling. Some of the problems in these areas reduce to systems of differential or linear equations. These systems can be solved using numerical techniques which are more dependent on the system than the domain of the problem. As these systems come in all “sizes and shapes”, solving them stretches the available computer resources to their limits. Advanced visualization techniques are necessary for understanding the solution. Data mining relates to the extraction of information from large Chemical or Biological databases. All this has led to development of “Scientific Computing” as a discipline in its own right. Broadly the term refers to the application of computational techniques to address problems in the scientific domain.

Interdisciplinary School of Scientific Computing was founded in 1994 to address the issue of training and research in the field of Scientific Computing. It is a unique school of its kind in the country and one of the few schools in the world. M.Sc. (Scientific Computing) programme attempts to strike a balance between training in Sciences and Computer Science. It emphasizes on fundamentals of a subject and prepares students to absorb specific technologies when required. School has an interdisciplinary M.Phil. and Ph.D. programme in Scientific Computing. Students from science and related faculties (like Engineering, Medicine, etc.) willing to do computational work can register for M.Phil. or Ph. D. degree.

## Technovation

The Interdisciplinary School of Scientific Computing is organizing its annual technical festival ‘**Technovation**’ on **January 21<sup>st</sup> and 22<sup>nd</sup> 2012**. This is the seventh consecutive year of the technical event. This event is mainly organized for undergraduate students of Computer Science.

The event intends to provide a platform for like-minded computer enthusiasts to interact, compete with each other and showcase their talents. In addition to creating visibility of the School among Computer Science students, the event also sheds light on the current software industry scenario and trends. The event features seminars by eminent personalities, programming contest, quiz, poster presentation, website design and collage competition. The event provides a valuable forum for the Industry to reach the students pursuing B.Sc (CS) and BE.

In the last six years nearly 2000 students from different colleges have participated in various events.

**Technovation’11** was formally inaugurated by **Dr. Bhooshan Kelkar**, Country Manager, **IBM** India University Relations. He then addressed the students on “**Importance of Innovation : Patent, Publish or Perish**” that was appreciated by one and all present. Following it was a Panel Discussion “**Is my job sufficient for my career?**” chaired by **Dr. Bhalchandra Gore**(Assistant Professor, ISSC). Eminent industry leaders including **Dr. Bhooshan Kelkar (IBM)**, **Dr. Shirish Karande (TCS)**, **Dr. Abhijat Vichare (CRL)** and **Mr. Sachin Gadgil (Symphony Services)** enlightened the students with their thoughts and experiences. An informative seminar was given by **Dr Sachin Lodha**, Senior Scientist, **Tata Consultancy Services**, directing the attention of the audience to the challenges and opportunities faced in Data Privacy. Our event sponsors were **IBM, TCS, 3dPLM, Prentice Hall India, 93.5 Radio FM, Power Vision** and **Unisoft**.

In 2010, **Technovation** began with the felicitation program of **Dr Shridhar Gadre**, who superannuated from the University. There were seminars on **Cloud Computing** by **Kalpak Shah** and **Multitasking** by **V.Ganesh (Australian National University)**. The festival climax was a panel

discussion on the theme “**Process Vs Product**” chaired by **Mr. Alkutkar (Synetario)** . Eminent Industry leaders including **Shridhar Shukla (GS LAB), Pankaj Saxena (IBM), Monish Darda (BMC software), Chandrashekar Karmarkar (Kale Consultancy), Prasad Shetye (Patni), and Ajay Phatak (Core objects)** participated in the discussion.

Student’s event was sponsored by **NVidia, MSI and Aashai Technologies**. Quiz was conducted by **RJ Ashwin** of Red FM who were publicity partners.

In 2009, the festival’s highlight was the seminars and speeches given by eminent speakers from Industry, academics and other institutions. There was an excellent seminar given by **Mr Praveen Kulange, Senior Projects Manager-Harbinger Systems**. He addressed the students about the potential of **Web2.0**. **Dr C Mohan, IBM Fellow and IBM Chief Scientist** directed the attention of the audience to **Evolution of Architecture and Design of Database Management Systems**. Following it was a seminar by **Mr Sanjay, NVidia** who enlightened students on **CUDA Technology**. There was an interview session with **Dr Vikas Joshi, Founder, Harbinger Systems and Dr C. Mohan, IBM**, to address issues of the students regarding career, jobs, etc. The event was sponsored by leading IT firms like **Cognizant, Harbinger, Aashai Technologies, Persistent Systems, NVIDIA, 93.5S FM and Unisoft**.

In 2008, the students had the opportunity to listen to experts like **Dr. Rajendra Lagu, from Computational Research Laboratories**, about the applications of **Supercomputing** and **Vijay Sukthankar (IBM)** enraptured the audience in his seminar on forthcoming features of **Linux**. To address the issues faced by students aiming for an IT career, there was a panel discussion on “**Fundamentals versus Technology**”. The experts on the panel were **Dr. Sunderarajan (CDAC), V. Sukthankar (IBM), Ajay Phatak (founder CEO of Jopasana.) and Madhav Kulkarni (Cognizant), Dr. Ajay Nandgaonkar( Re systems)**. The event was sponsored by leading IT firms like **Cognizant, Zenwave, Persistent Systems, Aashai Technologies, Aztecsoft, GS-Lab, Harbinger and Unisoft**.

## Events

### 1) Quiz Contest

This is a technical quiz competition held in two rounds with 'two-member' teams. First round is a written objective type test of General Knowledge, Current affairs and Logical reasoning, Technical aptitude. The second round with top four teams is held in the auditorium with the quiz master supervising the proceedings. It consists of rounds ranging from simple technical questions, Rapid fire, Buzzer, Visual, Audience and Judges round of Questions.

### 2) Programming Contest

This is a coding contest between teams with each team of maximum two participants. The participants are given small problems to code using C/C++/Java. The evaluation criteria focuses more on the approach to the solution and completion of coding is not mandatory.

### 3) Website Design

This is a two member team event. In this event, contestants have to design a website (excluding the database design and linking to DB) on a given theme. The designs are evaluated based on the contents, design and layout, graphics, navigation etc.

### 4) Poster Presentation

Participant is given a deadline to submit a poster on a given topic. Participants are evaluated based on the poster design and their presentation of the same.

### 5) Collage

This is a two member team event. Participants are provided A2 size paper along with newspapers, magazines and other coloring and stationary materials. You have to create the art work based on the given theme using the given resources. Participants are evaluated based on the work and their presentation of the same.

### 6) Assemble It

This is a two member team event. Participants have to assemble a CPU as fast as they can. Participants are evaluated on the basis of assembling the CPU in the shortest timespan.

### 7) Guest lectures

Technical seminars/Panel Discussion/ Interview will be organized with participation of eminent personalities from computer field. An attempt will be made to enlighten the students on current topics to help them plan their career.

## **Platinum Sponsorship**

Rs. 50,000/-

Banner and logo space in all events, interactive session with participants, 2 stalls, logo prominently displayed on posters (displayed in colleges and promotion sites), website and other promotional material. The organization, providing Platinum Sponsorship, can suggest theme (e.g. Problem statements in programming contest) and judges for two events.

## **Gold Sponsorships**

Rs. 25,000/-

Banner and logo space in all events, 1 stall, logo prominently displayed on poster (displayed in colleges and promotion sites), website and other promotional material. The organization, providing Gold Sponsorship, can suggest theme (e.g. Problem statements in programming contest) and judges for the event.

## **Other sponsorship categories**

Event sponsor: Rs. 10,000

Banner and logo space in events, logo included on posters (displayed in colleges and promotion sites), website and other promotional material.

**\* Gold and Platinum sponsors may participate in Technical seminars / Panel Discussion / Interview.**

## **Miscellaneous sponsorship categories**

Event sponsor: Rs. 3000+ for any specific item like backup power, prizes etc.

Logo included on posters (displayed in colleges and promotion sites), website.

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