



ACM - SZABIST

1st November 2007

Proposal for

ACM Seminar:

Technology, Innovation and Design

– Learning to see the bigger picture

Monday, 19th November 2007

SZABIST 100 Clifton

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I. Introduction

Those linked to the field of Software Engineering are depressed by the disoriented view of the role of Software Engineers in the local and international industry. Further the misconception that 'Computer Science' and 'Technology based industries' are at a place of stagnation and lack a strong future, reduces the will of students and those in the industry to look for innovative, creative and risk taking opportunities.

Students, Alumni and Faculty are in need to review their information and reassess their place in the society and the business world. In order for one to do this it is essential that they understand the reasons behind the industry changes, the economic factors, the current trends in the industry, the areas of research and engineering under progress and development, and further the opportunities available around the globe and within our own locality.

ACM Seminar: Technology, Innovation and Design – Learning to see the big picture, is a seminar aimed at introducing the theories and concepts based on Innovation, Technology and Design, which outline the current scenario and future prospects of the business world. By utilizing examples and studies from renown 'MIT' publications the Seminar promises to set alight a desire to further study the possible roles one can play in the evolving global business scenario as well as create the feeling of a need to follow the technology news and world affairs to be able to create or find the perfect role in society or at least one's 'Dream Job'.

II. Aims/Objectives

1. Creating a spark in the members and in the attendees in the concepts of innovation, technology and design (TID).
2. Demonstrating via examples how the studies and concepts put forward are currently part of our daily lives and play a role in our decision making
3. Explaining how world affairs (business, economic and political) play a vital role in TID.
4. To bring forth the concept of 'there is more than is visible to the eye' and that 'there is always a possibility to innovate and change in every field'

III. Relevance

As the graduating batch of Software Engineers, it is vital for them to realize the possible industries they can work in, as well as build up an understanding of the trends of technology and the impact on their future career. Further the concept of linking research to our everyday activities and utilization of research will also be promoted.

By addressing the faculty and (if any) invites from the local industry, the students have an opportunity to promote their way of thinking and build an image of 'forward thinkers' and a desire to promote 'collaborative learning' which are most needed and highly valued in the business world. As students heading the seminar and representatives of ACM in SZABIST, it allows for future networking via ACM, collaborative learning via the putting forward of the knowledge gained in university courses as well as enables a position to further learn and research in technology.

IV. Seminar Organizational Body

CHAIRMEN	
Seminar Chair	Mr. Hafidh Jamal
	To oversee all activities of the seminar.
Vice Chair	Ms. Sadaf Khalid To ensure that the content provided by the volunteers and research committee is suitable for the seminar and to assist the Seminar Chair in overall seminar activities.
Designer Chair	Ms. Sohni Hasan To oversee and design all promotional material and seminar related content.
Local Arrangements Chair	Mr. Iftikhar Iqbal To oversee and coordinate the various activities of the Local Arrangements Committee and to report activities to Seminar Chair, and to facilitate the various seminar chairmen.
Marketing Chair	Ms. Saba Ahmed Responsible for the marketing and promotional activity of the conference
Operations Chair	Mr. Mohsin Jillani Responsible for all operational work related to the operations involved during the seminar.
Research Committee	Mr. Sohail Fikree & Ms. Saba Khan Researcher for information / media content to blend with information from Primary source of information.
VOLUNTEERS	
	Ms. Marium Mabarak
	Mr. Shiezar Saifee
	Mr. Hani Shah
	Ms. Hira Tariq

V. Program Schedule

Session – I	
3:00 – 3:15	Introduction to ACM A brief introduction to the ACM and the Seminar
3:15 – 4:00	History of Technology, Innovation and Design Introduction of Technology, Innovation and Design The Culture of Improvement - (<i>A Culture of Improvement</i>) An introduction to Design and the importance of paying attention to detail and seeing the bigger picture – (<i>Cornucopia ; Innovation, Policy and the Economy</i>)
4:00 – 4:10	What Drives Change? Necessity is the mother of Invention - (<i>Innovating under Pressure - Innovation, Policy and the Economy; A Culture of Improvement</i>)
4:10 – 4:45	How change takes place? The Process of Technology, Innovation and Design Patterns of Technological Innovations - (<i>Patterns of Technological Innovations</i>) Introduction to Gift Economy - (<i>Cornucopia</i>) Free and Open Source - (<i>Perspectives on Free and Open Source Software</i>)
4:45 – 5:00	Tea Break
Session – II	
5:00-5:25	Why is the knowledge of TID important? Utilizing information for our own Benefit Free and Open Source - (<i>Perspectives on Free and Open Source Software</i>) Learning to forecast by understanding the future trends – (<i>Innovation and the Economy</i>)
5:25-5:45	Who, Us? What should WE do next? Learning to utilize the knowledge imparted, by showing how all the books are related, and how we should utilize the information to develop and pre-empt the future prospects
5:45 – 6:00	Invitation to ACM and QA session

VI. Organizational Body

ACM - SPONSOR	Mr. Zeeshan Arshad
	Faculty member of institution, responsible for activities and helps provide continuity from year to year as student leadership and personnel change; promotes good student-faculty relationships; helps maintain university standards in all activities of the Chapter; exercises financial supervision; represents the Chapter interests to the faculty and administration.
OFFICERS	
Chair	Mr. Hafidh Jamal Principal officer responsible for leading and managing activities in accordance with the policies and procedures of the ACM
Vice Chair	Ms. Sadaf Khalid The Vice Chair shall preside at meetings in the absence of the Chair, assist the Chair in the management and perform other duties that may be assigned by the Chair.
Secretary	Ms. Sohni Hasan The Secretary shall keep the minutes of all meetings. Other duties of the Secretary include the maintaining the records, preparation of the activity report and officer contact information and submission of these to ACM Headquarters and perform other duties as assigned by the Chair.
Treasurer	Mr. Iftikhar Iqbal The Treasurer shall collect dues, pay all bills, and maintain the financial records. Duties of the Treasurer also include preparation of the Annual Financial Report and performance of other duties as assigned by the Chair.
COMMITTEE	
Members	Ms. Saba Ahmed Mr. Fawad Ali Mr. Sohail Fikree Mr. Mohsin Jillani Ms. Marium Mabarak Mr. Shiezar Saiffee Mr. Hani Shah Ms. Hira Tariq Ms. Saba Ahmed

VII. Work Schedule

	Description of Work	Status
Phase One	Presentation Topic, Method, Resources	Completed
Phase Two	Work delegation, Budgeting	Completed
Phase Three	Research and Marketing	Initiated
Phase Four	Information filtering and Presentation designing	Initiated
Phase Five	Presentation Practice and Final setup	Not Initiated

VIII. Bibliography

- **Innovation Policy and the Economy -Volume 7-** National Bureau of Economic Research , Edited by Adam B. Jaffe, Josh Lerner and Scott Stern
- **Perspectives on Free and Open Source Software** - by Michael Cusumano (Foreword), Clay Shirky (Afterword), Joseph Feller (Editor), Brian Fitzgerald (Editor), Scott A. Hissam (Editor), Karim R. Lakhani (Editor)
- **Cornucopia Limited** - Design and Dissent on the Internet, By Richard Coyne
- **Patterns of Technological Innovation**
- **A Culture of Improvement** - by Robert Friedel