



LUMS
ANNUAL REPORT
2009-2010



25


YEARS OF

EDUCATIONAL
EXCELLENCE



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A 21st century university whose
research, service and graduates
are a fountain of leadership for
Pakistan and the world.

VISION

LUMS aspires to achieve
excellence and national and
international leadership through
unparalleled teaching and
research, holistic undergraduate
education and civic engagement
to serve the critical needs of
society.

It seeks to accomplish this
mission as a unified institution
with cutting-edge research, a
modern and rigorous curriculum
and socially responsible outreach
to the nation and region.

MISSION

INTRODUCTION

2009 – 2010 was another eventful year for the Lahore University of Management Sciences (LUMS) in terms of research output, academic achievements and extracurricular accomplishments. A major milestone reached by LUMS in 2010 has been the completion of 25 years of academic excellence. Over the years, LUMS has acquired a global reputation for offering high quality education in numerous disciplines. Providing rigorous academic and intellectual training through its academic programmes, the university has proven to be a viable alternative to leading universities around the world.

Pakistan faces a multitude of problems that require resolution through leaders who can think analytically and creatively. LUMS seeks to train such individuals who will lead the way in business, research, industry and government. As a nation we must continue to invest in quality education to expand our knowledge base, and intellectual capital in order to remain internationally competitive.

LUMS has a proud tradition of research excellence. This year has primarily been about building upon the university's many strengths and enhancing its strong reputation for research. Two new research centres were established at LUMS. The School of Humanities, Social Sciences and Law has established the Development Policy Research Centre, which aims to carry out multi-disciplinary research along socioeconomic development themes and the Gurmani Centre for Urdu, Arabic and Persian languages. The Suleman Dawood School of Business has set up the Strategic Sectors Research Centre for research in the development and economic sectors.

This past year, LUMS has been very successful in attracting grant funds. We are proud of the many LUMS alumni who have set up endowment funds and are giving back to their alma mater. Companies and other organisations have also shown their generosity and support for LUMS, by sponsoring students through the National Outreach Programme and by contributing to various student societies.

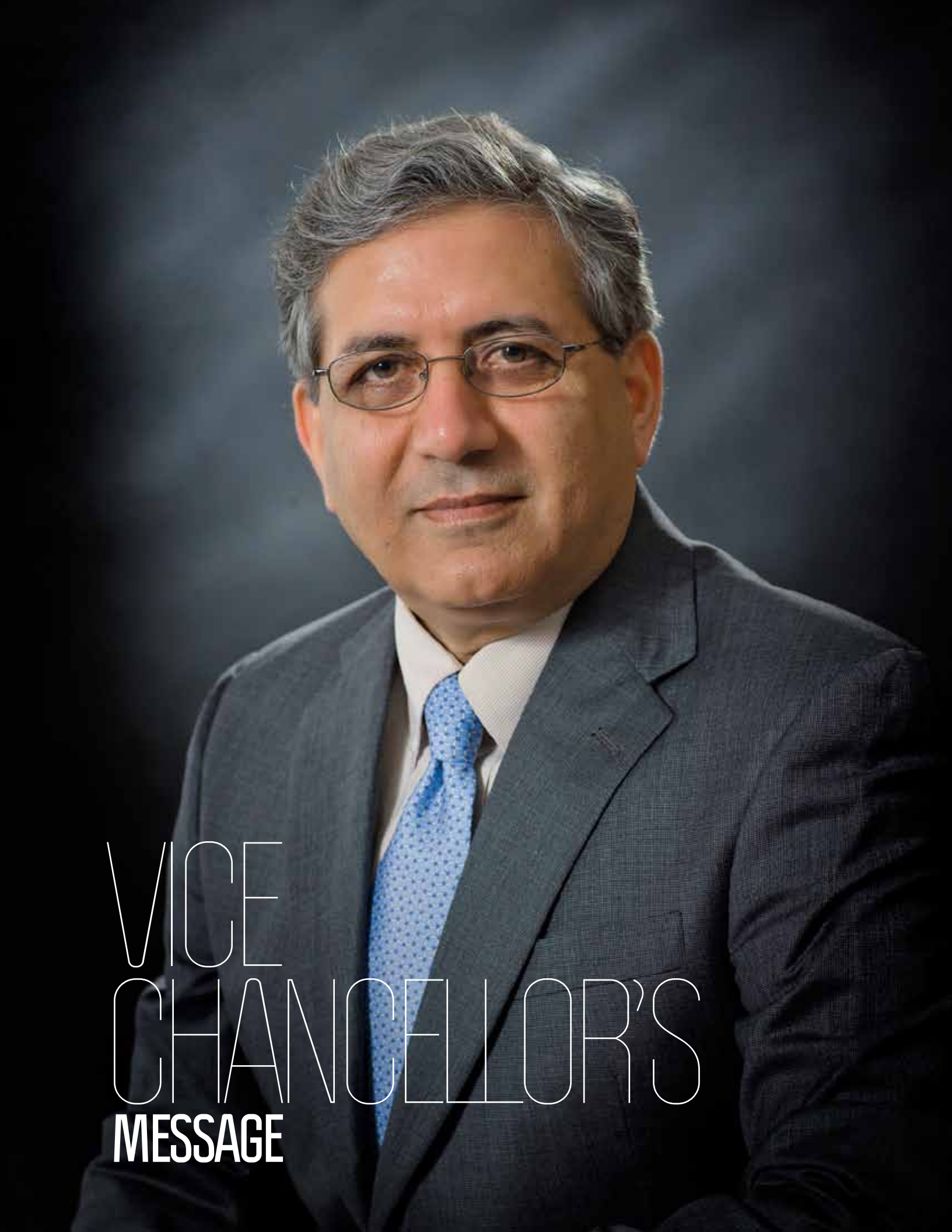
The faculty at LUMS has always been its best resource. The educationalists have continued their learning by taking part in national and international seminars and conferences over the course of this year. Their high quality research has also been recognised through various publications in journals of international renown.

Improvement and growth is essential for any organisation, especially one that strives to provide educational excellence. In order to build on the current foundations of academic distinction, the Office of the Vice Chancellor set up the 'Learning Outcomes Assessment and Institutional Effectiveness Activities' task to develop the institute further, through examination of various assessment methods and practices at North American universities. The aim is to increase institutional effectiveness through the process of learning outcomes assessment.

The Vice Chancellor's office also conducted a PULSE (Perceptions of Undergraduate Life and Student Experiences) survey, the purpose of which is to better understand and strengthen the student experience at LUMS. The PULSE survey is used by universities to gain student feedback on the overall quality of their undergraduate educational experience and to help identify areas of improvement for future growth.

Continuing our tradition of forming academic ties with universities internationally, LUMS recently signed a memorandum of agreement with Rice University in Houston, Texas. According to the agreement, both universities will collaborate on a variety of projects related to academia, research and executive trainings, among others.

Students, alumni, faculty and staff have made the university proud in the fields of education, industry and research this past year. As LUMS completes its 25 years of providing educational excellence, the next goal is to become an international research university, while continuing to provide educational programmes of the highest standards at the graduate and undergraduate levels. LUMS seeks to build on Pakistan's human talent and capital, thus creating the leaders of the future who will provide the impetus the country needs to bring about change and solve our national problems.



VICE
CHANCELLOR'S
MESSAGE

As you read this report, I ask that you reflect on the many achievements of LUMS in only 25 years.

LUMS began as a management school. Today it is an integrated university comprised of three schools: the Suleman Dawood School of Business, the School of Humanities, Social Sciences and Law, and the newly established School of Science and Engineering. Institutions, employers, and industries around the world recognise LUMS as Pakistan's foremost institution of higher education. Many of the nation's best secondary school students seek admission to LUMS. Its graduates go on to launch successful professional and academic careers in Pakistan and abroad.

Since its founding, LUMS has grown steadily, adding students, faculty members, disciplines and schools, with more of each planned in its institutional vision. The National Outreach Programme, or NOP, has proven extraordinarily successful in opening LUMS to the most promising students of Pakistan, regardless of socioeconomic class or ethnic origin. This year a female NOP student, whose father drove a taxi to support the family, graduated from LUMS and was recruited by Deloitte for a job in London. This 25-year history foretells a spectacular future for LUMS as the place where individuals can reach their full potential as students and scholars, producing vital knowledge critically needed for the well being of our society.

Indeed, this year's accomplishments indicate we are well along on the trajectory for such a future. This year our students achieved excellence in academic and extracurricular activities. Our faculty have been published in respected international research journals, and have been on the committees of several international conferences and seminars. LUMS and the World Wildlife Fund (WWF) are collaborating in joint research activities to help save the endangered Indus River blind dolphins. We have continued forming partnerships internationally through the signing of a memorandum of agreement with Rice University to initiate a collaboration beneficial to both universities. We launched this collaboration with training for student teams from the LUMS Emergency Medical Service (EMS) with Rice University's EMS in Houston. For the first time in the history of LUMS, we received a grant of \$15 million to help build capacity and strengthen civil society organisations and the government of Pakistan.


Our progress on this path has accelerated because of a multi-year, three-pronged transformation process. To expand the university's scope and achieve our ambitions, we are building capacity. To ensure that LUMS fulfills its goals, we are launching a multi-faceted system for assessing and improving institutional effectiveness. As part of this system, we launched a Learning Outcomes Assessment programme to review and further improve our curriculum. To further enhance the undergraduate experience, we conducted the LUMS PULSE survey of our students. We established institutional learning goals for our students, with each school and its departments in the process of developing their own learning goals. Building on our excellence in teaching, we continue to promote a research vision that will markedly strengthen Pakistan and the region by focusing upon critical national needs: energy, education, water, health care, governance and the rule of law, security and social justice. Despite financial challenges, we have established a Faculty Initiatives Fund to support this vision and to seed ambitious and innovative research.

We are promoting civic engagement to further enrich the student experience and to align their activities with the values in the LUMS mission: diversity, tolerance, openness and social responsibility. This year students, faculty and staff plunged into flood relief efforts. Many dedicated their holidays to work in flood camps. They are raising funds to build houses for the flood victims in the Bhakkar and Rajanpur areas. By promoting such activities, we are demonstrating that a LUMS education is not a right but a responsibility - something that is itself a duty.

As I alluded to earlier, LUMS has in the past few years confronted significant financial challenges. We faced increasing needs and demands for financial aid, capital investments in our research laboratories and infrastructure, and unforeseen security-related contingencies. We responded to these challenges admirably, with fiscal restraint and discipline, reallocation of resources and reprioritisation of projects. Our financial situation continues to improve, yet the challenges remain real. Having an endowment will ensure the university's long-term financial health and allow the secure development of the centers of research that characterise all elite academic institutions. To help create an entrepreneurial ecosystem in Pakistan, we are collaborating with OPEN Global, an organisation of Pakistani Entrepreneurs in North America to establish a Centre for Innovation and Entrepreneurship at LUMS.

Our opportunities are plentiful and our vision ambitious. With the support of alumni, the trustees and the friends of LUMS, I am confident that the university's development in its second twenty-five years will be even more remarkable. I invite you to enjoy the benefits of being part of the LUMS community.

Ahmad J. Durrani, PhD
Vice Chancellor, LUMS



The Provost, the university's chief academic officer, provides visionary leadership for all aspects of academic and student life. The Provost articulates the mission of the university.

The Provost is responsible for coordinating, developing and improving the academic programmes of the university. He collaborates in the strategic planning and budgeting of academic programmes and academic and research initiatives.

OFFICE OF THE PROVOST

The Provost works with the Faculty Council to review and update university-wide policies and advises the Vice Chancellor on all academic related matters affecting the university. The Provost manages institutional and organisational change at a pace that is brisk without being disruptive. The Provost reports directly to the Vice Chancellor and assumes leadership in the absence of the Vice Chancellor.

The following currently report to the Provost:

- Dean, Suleman Dawood School of Business
- Dean, School of Humanities, Social Sciences and Law
- Dean, School of Science and Engineering
- Registrar's Office
- Library
- Office of Student Affairs

Dr. Anjum Nasim, the first Provost of LUMS, stepped down from this position in December 2009. During the absence of Provost, the Vice Chancellor acquired the responsibilities of the Provost.

Over the course of 2009-2010, the Office of the Provost has been involved in the following:

- 1) LUMS Governance and Structure: Policies pertaining to the Faculty/University Council have been established and the LUMS Governance and Structure has been launched.
- 2) Policies and Procedures: The Office of the Provost prepares new policies and puts them through approval. All faculty and student related policies are part of the Provost's responsibilities. The existing faculty leave policy has some loopholes and a new faculty leave policy has been drafted and shared with the Deans of all schools.
- 3) Higher Education Commission (HEC): Correspondence with the HEC regarding various policies, data collection, faculty grants and seminars is screened by the Office of the Provost. HEC requested extensive information regarding each department's admission, enrolment, graduation

of students, as well as information on faculty recruitments, books and publications, awards and conference participation in their performances of 2001-2005 and 2005-2009. The Office of the Provost, with the help of the concerned departments, accumulated and compiled the requested data for the HEC. Apart from the HEC, other organisations and institutions request university data as well.

- 4) Meetings/Delegations: The Office also arranged and managed meetings for local and foreign delegations.
- 5) Provost International Travel Pool: The Office of the Provost managed the international travel requirements of the faculty keeping the Provost international travel budget in check.
- 6) Faculty Handbook: A comprehensive university-wide faculty handbook has been drafted. This will be an annual activity and the handbook will be distributed to the LUMS faculty annually.
- 7) Faculty Data: Faculty data was extracted and used for the following purposes:
 - a. Faculty workload ratio
 - b. Full time enrolment students by full time enrolment faculty
 - c. Full time faculty to Adjunct faculty ratio
 - d. Eligibility for voting
 - e. Faculty publications for the ranking of university etc.
- 8) Faculty Scholarly Reports (FSR): As part of the effort to measure and enhance institutional effectiveness, all full-time faculty was asked to fill the FSR form and the first ever FSR handbook of LUMS was printed and distributed to all faculty. This will be an annual procedure.
- 9) Operational Issues: Faculty disciplinary cases, weekly Vice Chancellor Council meetings and many agenda points are driven by the Office of the Provost.

“Dr. Anjum Nasim had very graciously agreed to serve as interim Provost until the end of 2009. He had served in this position with dedication and fairness, and achieved several milestones including the launching of the shared governance system. We all are indebted to him for his distinguished service as the first Provost of LUMS. The Provost Search Committee continues to seek candidates to fill the position as soon as possible.” Dr. Ahmad J. Durrani, Vice Chancellor, December 12, 2009

A professional portrait of Dr. Arif N. Butt, Dean of the Suleman Dawood School of Business. He is a middle-aged man with dark hair, wearing a dark blue suit jacket, a light blue striped shirt, and a patterned tie. He is seated and looking directly at the camera with a slight smile. The background is a dark, gradient studio backdrop.

The Suleman Dawood School of Business (SDSB) is dedicated towards carrying out rigorous economic and management research alongside maintaining a close relationship with the business world, which helps keep the curriculum relevant to the needs of business organisations. This also ensures that the students are exposed to the dynamics of the corporate world. Frequent visits and seminars by guest speakers and business leaders help enrich the classroom experience. Two prominent departments, the MBA Placement Office (MPO) and the Programme Coordination Office (PCO) work with SDSB to invite many renowned speakers from various universities and organisations to highlight the intricacies of the business world.

SDSB

SULEMAN DAWOOD SCHOOL OF BUSINESS

Dr. Arif N. Butt
Dean



NEW FACULTY

The following faculty members joined the School in the year 2009-10:

- ▶ **Dr. Abdul Karim**, Assistant Professor

- ▶ **Khalid Mirza**, Executive in Residence

- ▶ **Dr. Athar Siddiqui**, Assistant Professor

- ▶ **Rizwan Sheikh**, Visiting Assistant Professor

- ▶ **Farah Said**, Teaching Fellow

- ▶ **Dr. Anjum Fayyaz**, Assistant Professor

- ▶ **Dr. Choudhry Tanveer Shahzad**, Assistant Professor

- ▶ **Dr. Muhammad Naiman Jalil**, Assistant Professor

- ▶ **Tahira Hassan**, Executive in Residence



HIGHLIGHTS

- ▶ **Dr. Kamal Munir** has been appointed as a Senior Editor of Organisation Studies, a prestigious journal in the Organisation and Management field.

- ▶ **Dr. Arif N. Butt** is a board member of the Progressive Education Network, which has adopted 24 government schools. He was also appointed board member of Namal University.

- ▶ **Junaid Ashraf** has successfully finished empirical work and defended his research. He will join LUMS after completion of his PhD in Accounting.



FACULTY PUBLICATIONS

TYPE	AUTHORS
▶ Journal Papers	Jamshed H Khan, Arif N Butt ¹ , Farzad Rafi Khan, Irfan Butt
▶ Journal Cases	Arif N Butt, Shazib E Shaikh, Zafar Iqbal Qureshi
▶ Books	Ehsan ul Haque, Jamshed H Khan, Arif I Rana
▶ Book Chapters	Imran Ali
▶ LUMS Case	Imran Ali
▶ Conference Papers	Irfan Butt, Imran Ali, Arif N Butt, Faheem-ul-Islam

Honours

¹ Published in Journal of International Business Studies, which is ranked as the premier journal in its field worldwide



ACCEPTANCE RECEIVED

TYPE	AUTHORS
▶ Journal Cases	Arif N Butt ²
▶ Journal Papers	Farzad Rafi Khan ³ Arif N Butt ⁴ Irfan Butt

Honours

² Published in North American Case Research Journal (NACRA), ranked as the premier journal for case studies worldwide

³ Published in Human Relations Journal, ranked among the top ten journals of Organisational Behaviour worldwide

⁴ Published in International Journal of Conflict Management, ranked among the top forty journals of Organisational Behaviour worldwide



FACULTY	CoFID	CoFID2	OUTPUT	CITATION	YEAR
Arif N Butt	Choi, Jin Nam		Journal	"Does Power Matter? Negotiator Status as a Moderator of the Relationship Between Negotiator Emotion and Behaviour", International Journal of Conflict Management, 21(2), 2010: 124-146.	2010
Arif N Butt	Jaeger, Alfred M.	Kim, Sung Soo	Conference Paper	"Convergence and Divergence can be Two Faces of the Same Coin: The Emergence of a Global Management Culture and its Impact on Managerial Dynamics in Developing Countries", AIB 2010 Annual Meeting, Rio de Janeiro, Brazil, June 25-29, 2010.	2010
Arif N Butt	Hemani, Shezeen	Arif, Humaira	LUMS Case	"Cooperation for Advancement, Rehabilitation and Education (CARE): Leadership in a Social Sector Organization", LUMS Case Research Centre, Case No. 05-740-2010-1.	2010
Ehsan ul Haque	Kotler, Philip	Armstrong, G., Agnihotri, P. Y.	Book	"Principles of Marketing - A South Asian Perspective", 13rd Ed., New Delhi: Prentice-Hall India; Pearson Education, 2010.	2010
Faheem-ul-Islam			Journal	"Socioeconomy of Innovation and Entrepreneurship in a Cluster of SMEs in Emerging Economies", Competitive Review: An International Business Journal, 20(3), 2010: 267-278.	2010
Farzad Rafi Khan			LUMS Case	"To Play or Not to Play: Shirkat Gah Women Sesource Centre", LUMS Case Research Centre, LUMS # 05-742-2010-1.	2010
Farzad Rafi Khan	Westwood, R.	Boje, D.	Journal	"I Feel Like a Foreign Agent': NGOs and Corporate Social Responsibility Interventions into Third World Child Labour", Human Relations Journal (Forthcoming 2010)	2010
Farzad Rafi Khan	Thomsen, Peter L.		Journal	"CSR as Imperialism: Towards a Phenomenological Approach to CSR in the Developing World", Journal of Change Management (Forthcoming 2010)	2010
Farzad Rafi Khan	Muhammad, Faiza		LUMS Case	"HRM at Affluent Advertising Pvt. Ltd.", LUMS Case Research Centre (LUMS # 05-741-2010-1)	2010
Irfan Butt	Kumar, Vinod; Adeel Tariq	Kumar, Uma	Conference Paper	"The Development of Manufacturing Strategy: Evidence from a Developing Country", The International Academy of Management & Business (IAMB) Winter Conference, Las Vegas, USA, January 25-27, 2010.	2010
Irfan Butt			Journal	"Understanding the Concept of Positioning: A Step towards Defining the Construct", Journal of Global Business Advancement, 3(2), 2010: 176-191.	2010
Irfan Butt	Kumar, Vinod;	Kumar, Uma	Conference Paper	"Manufacturing Strategy Development: A Perspective of Senior Management in Canada", Administrative Sciences Association of Canada (ASAC) Conference, Regina, Canada, May 22-25, 2010.	2010
Kamran Ali Chatha			LUMS Case	"Systemizing Project Management (Practices) at Electronic Systems Inc.", LUMS Case Research Centre (LUMS # 03-839-2010-1)	2010
Rizwan Amin Sheikh	Khan, Khalid Ahmad		Conference Paper	"Managing Public Sector Construction Projects in Turbulent Environment", The 8th International Academy of Management & Business (IAMB) Conference, Madrid, Spain, June 28-30, 2010.	2010
Shazib E. Shaikh	Mehandjiev, N.		Journal	"General Strategy Support in Soft E-Business Process Negotiation", International Journal of Cooperative Information Systems (IJCIS), (Forthcoming 2010)	2010
Jamshed H. Khan	Mian, Sarfraz A.	Fayyaz, Anjum	Journal	"State of Entrepreneurship and Globalization in Pakistan", International Journal of Business and Globalization, 3.3 (2009): 271-287.	2009
Imran Ali			Book Chapter	"Imperialism, Extremism and the Withering State", Viewpoints Special Edition: The Islamization of Pakistan, 1979 - 2009; The Middle East Institute, Washington DC: 36 - 38	2009
Irfan Butt	Kumar, Uma	Kumar, Vinod	Journal	"Achieving Alignment Between Manufacturing and Marketing Through Positioning Strategy", Indian Journal of Economics and Business, March (Special Issue) 2009: 83-95.	2009
Shazib E. Shaikh			Journal	"Rozee.Pk", Asian Journal of Management Cases, 6.1, 2009: 37-70.	2009
Arif N. Butt		Choi, Jin Nam	Journal	"Does Power Matter? Negotiator Status as a Moderator of the Relationship Between Negotiator Emotion and Behavior", International Journal of Conflict Management. (Accepted)	2009
Imran Ali		Malik, A.	Conference Paper	"Elite Formation and its Impact on Economic Development in Pakistan", UNU-Wider Conference on Role of Elites in Economic Development, Helsinki, Norway on June 12-13, 2009.	2009
Faheem-ul-Islam			Conference Paper	"Potential Role of Clusters in Alleviating Poverty and in Improving Social Cohesion", 12th Annual Conference of The Competitiveness Institute (TCI), Jyvaskyla, Finland, October 12-16, 2009.	2009
Arif N. Butt	Hemani, Shezeen		Journal	"Cooperation for Advancement Rehabilitation and Education (CARE):Leadership in Social Sector Organization", North American Case Research Journal (NACRA), 29(1) (Accepted)	2009
Irfan Butt			Journal	"Understanding the Concept of Positioning: A Step towards Defining the Construct", Journal of Global Business Advancement (Forthcoming)	2009
Arif N. Butt	Others		Journal	"Ethical preferences for influencing superiors: A 41-Society Study.", Journal of International Business Studies, (2009): 1-24.	2009
Arif N. Butt	Hemani, Shezeen		Journal	"Polo Lounge - The Restaurant in a Colonial Setting", Asian Journal of Management Cases, 6.2, 2009: 157-170.	2009

MBA PLACEMENT OFFICE

The SDSB Placement Office, known as the MBA Placement Office (MPO), was formed in April 2009 to render a separate, exclusive platform for MBA careers. Since its inception, the office has been dynamic and active in this objective and has launched many new initiatives and refined existing structures and processes. The major accomplishments of the office are:

- A sector wise approach to MBA placements, in sync with the Harvard Business School model, with each officer dedicated for one or more specific sectors. Such a divide and conquer approach has engendered more efficient and streamlined processes, greater successful initiatives and consequently, better placement results.
- A rise in the Local Average Salary for 2009 against that of 2008, despite the adverse economic conditions locally and internationally. The average salary for the year 2009 is PKR 75,000 versus PKR 70,000 in 2008.

MBA PLACEMENT STATISTICS (2009)

TOP 3 FUNCTIONAL AREAS	TOP 3 PAYING COMPANIES
Marketing	Engro-Chemicals
Operations	Engro-Vopak
Information Technology	Mobilink

Total Number of Graduating Students	114
Total Number of Students Employed	110
Local	99
Foreign	11
Local Average Salary	PKR 75,000
International Average Salary	PKR 310,000

MPO EVENTS

Training workshops: Training workshops were conducted for MBA 2010 and 2011 to equip them with the necessary soft skills and personal and professional finesse for local and international careers. These trainings were conducted by industry leaders in their respective areas, which included Resume Writing Skills, Interview Skills, Networking Skills and Professional Conduct and Ethics. Workshops were conducted by:

- Arif Ijaz: Advisor to CEO, Maple Leaf Cement and former CEO/MD for Adamjee Insurance & KSB Pumps. He has also served as a faculty member in SDSB.
- Umer Khan: CEO, Evenement who has over 8 years of diverse national and international experience.
- Maqbool Babri (Max Babri): CEO, The Konsultants. He is a US qualified and certified clinical hypnotherapist with a license to practice hypnotherapy in the USA. He is credited with over 30 years of coaching and training within the local corporate sector, as well as in the Middle East and Europe.

Alumni and HR Panel Sessions: A series of sector/industry-wise alumni and HR panel sessions were initiated to orient students regarding the trends across different sectors, the highs and lows, available opportunities and the required skill set for each sector.

Networking Night-MBA: A new recruitment model, derived from the Harvard Business School was conceptualised and implemented locally. Titled, the 'Networking Night-MBA 2010', it was envisaged to provide a close-knit, one-on-one networking opportunity between employers and the final year MBA students, amidst a semi-formal ambience so that each side may better assay the other and hence mould their career targets respectively.

Mock interviews: Mock interviews for MBA 2010 & 2011 were conducted by our senior alumni. These interviews have been a regular practice in the Placement Office for the the last several years. MPO adopted them with a new approach and structure to grill the MBA students further and prepare them well for actual employer interviews.

The MBA placement office has also worked on various communication methods to make their work more effective and interactive. These are:

MPO Newsletter: This started out as a weekly publication but now comes out every fortnight. The Newsletter shares all the events and happenings at MPO with the students and the SDSB faculty. This includes recruitment and internship updates, alumni interviews, information/counseling articles and more. It plays a crucial role in keeping all internal stakeholders abreast of the developments and proceedings at MPO.

MBA Recruiter's Guide and Profile CD: Two new publications that included the 'MBA Recruiter's Guide 2009-10' and an MBA Profile CD were launched. The former is a comprehensive guide for employers to recruit LUMS MBA for available opportunities, including information on SDSB and other ways they can associate with the School and its students. The MBA Profile CD is a compilation of all MBA 2010 and MBA 2011 resumes with the incorporation of an exhaustive search engine. This will enable employers to search and quickly access resumes with the desired profiles using keyword search and other fields including academic background, prior work experience, preferred industry, sector, location and more.

MBA Placement Office Website: A specialised MBA Placement Office website is also in the making, to be launched in the coming months. This website will further facilitate employers and students in their recruitment pursuits by mapping most of our processes online and enabling customised resume searches, job searches, profile and job matches, events announcements registrations and much more.

PROGRAMME COORDINATION OFFICE

The Programme Coordination Office (PCO) handles all academic activities of students. Students are required to register with this office for the courses to be taken in a term. PCO manages the distribution of weekly schedules to students and handles matters pertaining to the annual convocation. PCO is also responsible for looking after external relations including, coordinating activities related to exchange students, visiting faculty, study tours and guest speakers.

In addition to this it handles all student exchange programmes for SDSB. In the year 2009 - 2010, 23 MBA students visited 13 of the official exchange partners worldwide, providing them with different sets of experiences. 114 MBA students, 20 EMBA and 60 ACF (Accounting & Finance) students went on exchange programmes in 2009 alone. SDSB has international linkages with universities and colleges in Australia, India, Croatia, Denmark, France, UK, Malaysia, Turkey, Peru and China. Adding to the already diverse international linkages, Zagreb School of Economics and Management (ZSEM), Croatia and IESEG School of Management, France were added to the list. ZSEM recognised the excellent performance of LUMS MBA exchange students through an interview published in their leading national magazine.

NUMBER OF STUDENTS SENT ON EXCHANGE BY SDSB

UNIVERSITY	MBA FALL 2009
Copenhagen Business School, Denmark	3
Indian School of Business (ISB), India	1
Universiti Sains Malaysia (USM)	8
Zagreb School of Economics & Management (ZSEM), Croatia	3
Bond University, Australia	2
IESEG School of Management, France	2
Koç University, Turkey	4

PCO EVENTS

PCO put together the LUMS Marketing Colloquium. The event was held in LUMS from November 21-22, 2009.

It was organised as a forum that focused on the different domains of marketing in the present global perspective and aimed to bridge the gaps between the corporate and academic worlds. The event featured top-notch corporate icons from various business fields, who presented their insights in the different segments of the event, along with distinguished and learned academicians who brought forward their thought provoking ideas and presented their observations. Different activities took place at the colloquium including discussions and workshops, business solutions, networking and presentations by notable speakers who addressed key ideas and issues related to business and other marketing domains.

The distinguished speakers who attended the event were:

- Abrar Hasan - CEO, National Foods
- Haseeb Aslam - Country Business Manager, Nestle
- Saad Khan - CEO, Gillette Pakistan

- Jamal Siddiqui - CEO and MD, Makro-Habib Pakistan
- Marek Minkiewicz - Former MD, MAKRO and Faculty SDSB, LUMS
- Ayaz Bokhari - CEO, BOC Pakistan
- Monis Rehman - CEO, Naseeb Networks and Rozee.pk
- Younus Shaikh - Director, Sales & Distribution, Ufone
- Amer Sarfraz - CEO, BRAMERZ - Official Google Partner in Pakistan
- Irfan Mustafa - VP & MD Middle East, North Africa, Pakistan & Turkey, Yum! Restaurants International

Finance Executive Club Activities

A number of guest speaker sessions were conducted by the Finance Executive Club, covering various dimensions of the financial sector.

MARKETING

SDSB Marketing Office promotes the programmes offered by the School locally and internationally, through the website, programme brochures, posters and information sessions. The Marketing Office also participates in international educational events and expos and makes contributions to various publications to generate awareness about LUMS and SDSB. In the year 2009 - 2010, the SDSB Marketing Office undertook various national and international activities to promote the programmes offered by SDSB.

INTERNATIONAL MARKETING

GETEX Expo Bahrain - 2009

- SDSB Marketing participated in GETEX Expo Bahrain. The expo was held from October 31 - November 2, 2009 at the Diplomat Radisson SAS Hotel, Manama, Kingdom of Bahrain. LUMS was the only participating organisation from Pakistan.
- The GETEX expo was successful in making LUMS' presence known amongst top class international universities and organisations such as, Rochester Institute of Technology, University of Strathclyde Business School, Manchester Business School and IE Business School. The expo proved to be a great opportunity to reach out to prospective undergraduate students in the Middle East.

Information Sessions in Bangladesh, Sri Lanka and Nepal

- SDSB Marketing Office conducted information sessions and the LMAT for prospective students in Bangladesh, Sri Lanka and Nepal.

LOCATION	LUMS REPRESENTATION	NO. OF PARTICIPANTS	MEDIA COVERAGE
Dhaka, Bangladesh	Dr. Arif Rana	80	Daily Star Prothom Alo Alumni network
Colombo, Sri Lanka	Dr. Jamshed H Khan via Skype	40	Daily News Daily Mirror
Katmandu, Nepal	Alumni	40	The Kantipur The Himalayan Times

- The SDSB Marketing Office took the initiative of expanding its marketing activities by sending promotional material to international publications, namely Euro Money, Newsweek Asia and Asia Inc. magazines.

DOMESTIC MARKETING

- Open Days were organised in Lahore and Karachi where senior faculty members gave presentations on all SDSB programmes to prospective students. SDSB was also presented at the Dawn Expo, a two-day event in Islamabad that featured the top universities of Pakistan.
- After admissions opened, the Marketing Office advertised SDSB programmes through print advertisements in various local dailies including Dawn, Nation, Daily Times, The News, Jang, Nawa-i-Waqt and Frontier Post.
- The Marketing Office also reached out to expatriates by sending promotional material to Pakistani embassies worldwide.

SDSB offers three degrees: MBA, PhD in Management, Executive MBA (EMBA) and BSc (Honours) Accounting & Finance (ACF).

PhD PROGRAMME

Research undertaken by doctoral students in SDSB's PhD Programme in 2009-2010:

A PhD student, Shoaib ul Haq, published the following:

- A book chapter, co-authored with Mehdi Farashahi, accepted for publication in Routledge's (UK) upcoming volume 'LOCAL vs. GLOBAL LOGIC: The Multinational Enterprise in Developing Countries'.
- A conference paper "Workplace Spirituality and Capitalism: An HRD Perspective" (co-authored with N. Budhawani and J. Wang) accepted at the Academy of Human Resource Development (AHRD) conference held in Washington DC.
- PhD programme student, M. Abdur Rahman Malik won the prestigious and highly competitive Canadian Commonwealth Exchange Fellowship for his research proposal on cross cultural influences and managerial creativity. The Fellowship is worth CAD 10,000 and will allow Abdur Rahman to travel and conduct research in Canada with Dr. Terri Lituchy, Concordia University, for a period of six months. He departed to pursue his fellowship studies on March 19, 2010.

EMBA PROGRAMME

The two year EMBA programme is for those individuals who have at least 8 years of work experience. In 2009, the number of EMBA graduates was 26 and in 2010, the number of graduates was 40.

ADMISSIONS PROFILE (ADMITTED STUDENTS) CLASS OF 2009

Total Applicants	86	Academic Background	Percentage	Regional Distribution	Percentage
Admission Offers	31	Engineering	48	Islamabad/Rawalpindi	19
Accepted Offers	26	Medicine	-	Jhang	4
Gender	Percentage	Arts/Law	20	Jhelum	4
Male	96	Science	8	Karachi	19
Female	4	Commerce/Business	16	Lahore	46
Test	Score	Computer Science	8	Jamshoro	4
Average GMAT Score	495	Average Age	35	Sialkot	4
Average LMAT Score	500	Average Experience (In Years)	11.74		

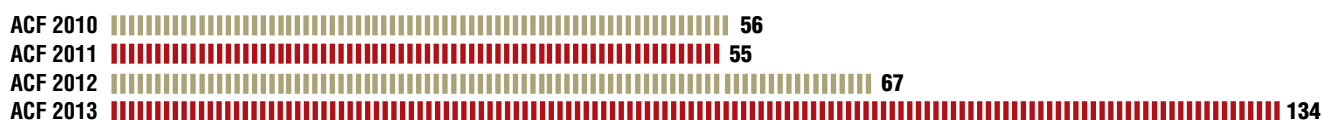
ACHIEVEMENTS

The US State Department nominated Muhammad Imran Baloch, EMBA 2009 for a three week long International Visitor Leadership Programme. This programme annually brings to the United States approximately 5,000 foreign nationals from all over the world, to meet and confer with their professional counterparts and to experience America firsthand. The visitors, who are selected by American Foreign Service Officers overseas, are current or potential leaders in government, politics, media, education, arts, business and other fields.



BSC (HONOURS) ACCOUNTING AND FINANCE (ACF) PROGRAMME

The ACF programme is the premier and most sought-after undergraduate programme at LUMS. The student intake for ACF 2013 was doubled in 2009. The current number of ACF students at SDSB are:



Last year's cut off GPA for ACF major was 3.37. Despite this high GPA, 29% of the 2009 class and 55% of the 2010 were on the Dean's Honour List ensuring a hundred percent placement rate (of the '09 batch; '10 batch data unavailable). The major also enjoys a reputation of having a 100% Certified Financial Accountants (CFA) pass rate.

BSC ACF PLACEMENT: CLASS UPDATE


	CLASS OF 2008	CLASS OF 2009
Number of students attempted CFA Level 1	18	5 (100% passing ratio)
Prospective students for CFA Level 1	-	8
Students appearing for Actuarial Sciences	-	3
International Positions	15	3

Total Number of ACF Students (BSc 2009)	60
Total Number of ACF Students Employed	34
Locally Employed	31
Internationally Employed	03 (UK)
Pursuing Higher Studies	02
No response to e-mail or phone calls	16 (status not clear)
Unemployed	07

Salary Range	International Jobs	Local Jobs (PKR)
Highest	UK £ 26,507 per annum	88,000
Lowest	UK £ 18,000 per annum	17,500
Average	UK £ 22,354 per annum	52,750

A high number of students take the Actuarial Exams, signifying a major development in the field of Risk and Assurance. SDSB is working towards affiliations and exemptions for the LUMS BSc ACF majors. These linkages, waivers and other initiatives are:

- Under the new scheme of Institute of Chartered Accountants of Pakistan (ICAP), SDSB-ACF is expected to get exemption from module A-D.
- Completion of all requirements for the CFA Partnership Programme. Expected to get affiliation this year.
- Awarded exemptions in Association of Chartered Certified Accountants (ACCA) from F1-F4. Further exemptions application process in progress.
- Exemption from Society of Actuaries exams under progress. Have been awarded, but requires update due to transfer to the semester system.
- CFA- Level I Scholarships for Junior Students.
- Curriculum review and development programme has been aligned with international curriculum.
- Negotiations underway with ACCA for further exemptions from F5-F9 and professional stream as well.
- Extensive extracurricular focus by encouraging students to take part in business competitions, universities societies and social development programmes.



The LUMS School of Humanities, Social Sciences and Law (SHSSL) enjoys a strong reputation for academic excellence. The School focuses on a multidisciplinary approach so that students study a mix of wide ranging courses. The SHSSL imparts long-serving and high-quality liberal arts education, including disciplines such as philosophy, sociology, anthropology and literature, among others. The faculty at SHSSL hold impressive credentials from leading international universities and include acclaimed experts and scholars with significant publications to their credit.

SHSSL

SCHOOL OF HUMANITIES, SOCIAL SCIENCES AND LAW

Dr. Ijaz Nabi
Dean

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

The Department of Humanities and Social Sciences (DHSS) aspires to the advancement of knowledge that is socially and ethically relevant through innovation and excellence in its academic programmes. DHSS offers three undergraduate programmes leading to the BSc (Honours) degree in Anthropology/Sociology and Political Science, as well as a combined programme in Politics and Economics, offered in conjunction with the Economics Department. Also offered is a BA (Honours) degree in Humanities.

Established in 1999, the Department of Humanities and Social Sciences is home to a number of distinct disciplines in the social sciences and humanities including anthropology and sociology, literature, philosophy, political science, psychology and history.



ACADEMIC EXCELLENCE

NEW MAJORS

The Department of Humanities and Social Sciences has introduced three new majors: Anthropology/Sociology, Political Science and Humanities. The launch of the new majors was completed after an exhaustive three-year preparation period which included a complete overhaul of curricula in all three areas.

The impetus from the launch of these majors has been taken forward throughout the year with faculty carefully monitoring the progress of the specialisations and setting in place a number of supporting mechanisms. These have included Open Houses with students to explain the new majors, the implementation of a robust course and curriculum review process, the launching of the Humanities and Social Sciences (HSS) website that targets both current and prospective students, as well as faculty and the setting up of an advisory system that has matched all HSS majors from the batch of 2012 with a faculty advisor. In fact, one of the main effects of putting the majors in place has been the added attention to detail that is required from faculty in order to ensure that the subject specialisations remain vibrant. This has meant a more rigorous review of course selection and content, as well as a more systematic feedback through regular assessment. The department hopes to build on all these initiatives in the coming year.

Currently, students from the batch of 2012 and 2013 have declared their majors as follows:

MAJOR	NUMBER OF STUDENTS
▶ Anthropology/Sociology	46
▶ Political Science	82
▶ Humanities	29

Considering that currently it is the first year of these majors, this is a solid start but one that will require continuous monitoring.

CURRICULUM

In preparation for the switch to the semester system, most courses in the Humanities and Social Sciences Department were revised and updated. However, the department has also put in place a more systematic review of core courses. This began with a review of the Pakistan Studies course and was followed by an equally in-depth review of the Islamic Studies course. Both courses have been offered with the revamped curriculum from the start of the academic year.

This year there has been an in-depth review of the third and final core course, Writing and Communication. It has been widely felt that the quality of writing skills at LUMS has fallen and that there has been little progress in arresting this decline. It was also felt that good writing abilities were an essential skill that LUMS graduates should possess. This realisation for the need of more rigorous and varied training in writing, has led to an important initiative concerning strengthening these skills at LUMS. The department is proposing an ambitious expansion from the current single course (Writing and Communication SS 100) to three courses:

- A 'remedial' course for those not meeting a set criteria in the writing and comprehension section of the LUMS Common Admission Test
- A revised writing and communication course
- An advanced level course in writing

The advanced writing level course has been launched and the department is looking into the feasibility of launching the other two initiatives in the upcoming academic year.



The review of other courses in the department has been an ongoing process and this has become increasingly rigorous. An Academic Review and Curriculum Committee (ARC) has been formed. It is the mandate of the ARC to have final oversight over all new courses taught during the semester.

The procedure for review has also been changed. From this year, all course presentations were done at the level of the major. All concerned faculty attend in order to give substantive feedback. These initial meetings involve close vetting of curriculum, recommendations for any changes and decisions on what courses are to be taught. Each major has a coordinator who is responsible for arranging the course presentation and review meetings.

This new system has worked well with courses being presented on schedule and all course outlines and offerings being finalised well before the start of the next term. This gives students ample time to consider their choices before making their final decisions regarding course selection.



ADVISORY COMMITTEES

Substantial progress was made this year in establishing advisory committees for each of the School's three departments. The advisory committees are looked upon to lend advice and assistance regarding important aspects of the department's further evolution, including academic standard setting and policy formulation, curricular improvement, pedagogical innovations, improvements in internal governance and raising of research benchmarks. Furthermore, it is hoped that the advisory committees would also advise and assist the departments in developing international academic collaborations, accessing institution building and research development funds, attracting potential faculty and launching graduate degree programmes.

Members are selected from among the three departments advisory committees to a seven member Advisory Council for the School to ensure harmony in developing curricula and faculty hiring across the departments and to explore inter-disciplinary synergies for future growth.

The Advisory Committee for Humanities and Social Sciences comprises of internationally recognised scholars and educationists in the field. The committee had its first meeting in December 2010 and included:

- Ayesha Jalal - Professor of History, Tufts University
- Shahnaz Rouse - Professor of Sociology, Sarah Lawrence College
- Willem Van Schendel - Professor of Social & Behavioral Sciences, University of Amsterdam
- Kamran Asdar Ali - Associate Professor of Anthropology, University of Texas in Austin
- David Ludden - Professor of History, University of Pennsylvania
- Neloufer de Mel - Professor of English, University of Colombo
- Itty Abraham - Director of the South Asia Institute, University of Texas
- John Harriss - Professor of International Studies, Simon Fraser University



RESEARCH

RESEARCH IN ACADEMIC DEPARTMENTS

Over the last two years the research output of the Department of Humanities and Social Sciences in terms of journal articles and books has increased fourfold. The department has built up considerable momentum and the faculty, both new and old, are far more active in terms of research than previously. The challenge now is to build areas of 'expertise' where so far individual faculty have been working without collaboration. There are already indications of this happening with cross-sectoral research projects underway.



KNOWLEDGE DISSEMINATION

CONFERENCES / SEMINARS / WORKSHOPS

- **HSS Faculty Seminar Series**

Title: "National Identity, Citizenship and the Role of Education in India & Pakistan"

Speaker: Dr. Marie Lall

Date: September 29, 2009

- **Title:** "South Asian Immigrant Youth in the US After 9/11: Multicultural Citizenship and Imperial Feelings"

Speaker: Dr. Sunaina Maira

Date: November 4, 2009

This talk explored the issues of national belonging and political dissent for Muslim immigrant youth in the US after 9/11. It is based on a study of working-class Pakistani, Bangladeshi and Indian immigrant youth in a public high school, grappling with issues of education, labour, inter-racial alliances and political repression in the "War on Terror".

- **Lecture on "The Sufi Message of Peace and Tolerance"**

Speaker: Professor Dr. Jürgen Wasim Frembgen of the Anthropological Museum of Munich, Germany

Date: November 5, 2009

Organiser: Dr. Lukas Werth

- **Musharraf Ali Farooqi at LUMS**

The Department of Humanities and Social Sciences, in collaboration with the LUMS Literary Society and M-6 Residential College, organised two events with the renowned author, novelist and translator Musharraf Ali Farooqi. The first event titled "Amir Hamza as a Hindustani Gentleman" was held on November 12, 2009. The second part of this event titled "Tilism-e-Hoshruha and Amir Hamza: Fantasy and Legend" was held on November 13, 2009.

- **Talk on "Identity and Avenues of Cultural Exchange"**

Speaker: Brian Q. Silver of Voice of America's Urdu Service

Date: October 30, 2009

Organiser: Dr. Ghazala Irfan, in collaboration with the Fulbright Alumni Lahore Chapter

- **"Shaam-e-Afsana"**

An evening with a prominent short story writer, Asad Muhammad Khan

Date: November 23, 2009

Organiser: Ms. Yasmeen Hameed

- **Lectures by Dr. Ayesha Jalal**

The Department of Humanities and Social Sciences and the Development Policy Research Centre (DPRC) presented two lectures by the renowned South Asian historian, Dr. Ayesha Jalal.

The first lecture of the series titled "Jinnah's Contemporary Relevance" was held on April 28, 2010. Despite Mohammad Ali Jinnah's centrality in Pakistani national consciousness, key questions remain about the contemporary relevance of his vision. Spotlighting the tensions between where Pakistan stands in relation to Jinnah's position on constitutionalism, rule of law and religion's role in the state, the lecture attempted to restore perspective on some of the key challenges confronting us today.

The second lecture on "Jinnah's Case for Pakistan" took place on April 30, 2010. Jinnah's case for Pakistan was based on an astute understanding of the federal principle in constitutional law. This lecture focused on his shifting tactics and pinpointed the consistency of his overall strategic aims to win an equitable share of power for Muslims in an independent India. In doing so, the analysis sought to explain the clashing political dynamics at the all-India level and the provinces that Quaid-e-Azam had to contend with, in the final decade of the British Raj to achieve the All-India Muslim League's demand for Pakistan.

- **Talks by Dr. Pnina Werbner**

The second year of the HSS International Speaker Series continue with talks by Dr. Pnina Werbner. The first lecture titled "Mothers and Daughters in Historical Perspective: Home, Identity and Double Consciousness in British Pakistanis' Migration and Return" was held on April 5, 2010. The second lecture of the series held on April 6, 2010 was titled "Paradoxes of Postcolonial Vernacular Cosmopolitanism in South Asia and the Diaspora: From Ritual Clowns and Sufi Processions to Bollywood".



- **HSS faculty acknowledged by the Government of Pakistan**

The Department of Humanities and Social Sciences congratulates two of its faculty for receiving the Sitara-i-Imtiaz, the highest civilian honour by the Government of Pakistan, for outstanding service in the field of education. Professor Rasul Bakhsh Rais and Professor Ayesha Jalal received their awards at the Governor House on March 23, 2010.

- **Fifth Annual HSS Conference**

The Fifth Annual Humanities and Social Sciences Conference titled "Pakistan and India: Shifting Identities in Culture, History and Justice" was held at LUMS from April 2-4, 2010. The conference was an attempt to revive the tradition of cross-border debate and intellectual exchange, by bringing together some of the best thinkers and artists working in and on the Sub-continent. There were nine panels covering a variety of issues including media, history, identity, justice and education, contentious issues such as the water dispute, the global war on terror, its effect on South Asia, cultural regenerations, eliminating poverty and cultural practices and religion.

- **Lectures by Dr. Sugata Bose**

The Department of Humanities and Social Sciences organised two lectures by Dr. Sugata Bose as part of the International Speaker Series. The first lecture titled "Global Economic Crises and South Asia: Lessons from History" was held on May 3, 2010. The second lecture of the series held on May 4, 2010 was titled "Different Universalisms, Colorful Cosmopolitanisms: The Global Imagination of the Colonised".

- **Conference on "Religion, Politics and Society in Pakistan"**

Professor Mohammad Waseem organised a conference on "Religion, Politics and Society in Pakistan" in LUMS on February 11-12, 2010. This conference was held under the auspices of the Religions and Development (R&D) project of DFID-University of Birmingham. Professor Waseem is the country coordinator of the R&D project in Pakistan. The conference is part of the dissemination programme of the project, specifically addressing the academics, intellectuals and civil society in Lahore. Eminent scholars, media persons, human rights activists and legal experts looked at various aspects of religious thought and practice. The conference panels dealt with the role of religion in various contexts such as, education, civil society organisations, conflict and peace, law, value systems and politics. This conference was the second in the series of conferences in LUMS for this project.

Two workshops dealing with related matters are scheduled in the following months, one in Islamabad and the other in Karachi. The idea is to interact with the informed opinion in the country with reference to the policy briefs emanating from various research components carried out under the R&D project.

- **HSS Students at The Global Zero Summit in Paris**

The Department of Humanities and Social Sciences is proud to announce the selection of two of its students, Salman Shahid (Class of 2010) and Anum Sadiq (Class of 2011), who represented Pakistan at the student Global Zero Summit. Anum and Salman were two of only thirty students chosen worldwide from an applicant pool of 450.

The Global Zero Summit held from February 2-4, 2010, brought together 200 international political, military, business and faith leaders for strategy talks on the phased elimination of all nuclear weapons and for the launch of the next phase of the global campaign to build public and political support for this agenda. The 2010 Paris Summit promised to be a catalytic event in the lead-up to President Obama's April summit on nuclear security and the May Non-Proliferation Treaty Review Conference.

At the Summit, the students worked alongside Global Zero leaders to chart a course for an international public campaign. The students accompanied Ambassador Shaharyar Khan to Paris. The Ambassador was a part of the main summit which was addressed by UN Secretary General Ban Ki-Moon.

Global Zero Summit participants included: United Nations Secretary General Ban Ki-Moon, Dr. Jacques Attali, Rt. Hon. Lloyd Axworthy, Amb. Marcos de Azambuja, Amb. K. Shankar Bajpai, Mr. Lawrence Bender, Min. Carl Bildt, Min. Hans Blix, Sir Richard Branson, Amb. Richard Burt, Rev. Richard Cizik, PM Massimo D'Alema, Minister Gareth Evans, PM John Malcolm Fraser, PM Yasuo Fukuda, Amb. Wolfgang Ischinger, Amb. Igor Ivanov, FM Khurshid Kazuri, Amb. Shaharyar Khan, Dr. Konstantin Kosachev, Mr. Tony Lake, Amb. Ma Zhengang, Sen. Mikhail Margelov, Col. Gen. (Ret.) Evgeny Petrovich Maslin, HM Queen Noor, Gen. (Ret.) Bernard Norlain, Lord David Owen, Amb. Thomas Pickering, Sir Malcolm Rifkind, President Mary Robinson, PM Michel Rocard, Amb. Shri Shyam Saran, Gen. (Ret.) John "Jack" Sheehan, Sec. George Shultz, Minister Jaswant Singh, Dr. Javier Solana, Amb. Song Min-soon, Air Chief Marshal (Ret.) SP Tyagi, Dr. Evgeny Velikhov, Mr. Igor Yurgens and President Ernesto Zedillo, among others.



AUTHOR	TITLE	PUBLISHED IN/BY
Ahmad, Sadaf (ed.)	<i>Pakistani Women: Multiple Locations and Competing Narratives</i>	Karachi: Oxford University Press, 2009
Haq, S. Noman ul.	<i>"Al-Farabi" The History of Western-Philosophy of Religion</i>	Eds. Graham Oppy and Nick Trakakis. Durham: Acumen, 2009
Haq, S. Noman ul.	<i>"Muqadma" Ye Khana-e-Ab-o-Gill</i>	Karachi: Shaherzaad, 2009
Khan, Ali	<i>"Bonded Labour in Pakistan" Forced Labour: Coercion & Exploitation in the Private Economy</i>	Eds. Beate Andrees and Patrick Belser. New York: Lynne Rienner Press, 2009
Khan, Ali; Ahmad, Ali Nobil	<i>From Zinda Laash to Zibakhkhana: Violence and Horror in Pakistani Cinema</i>	Third Text 24.1, 2010
Ahmad, Ali Nobil	<i>Is There a Muslim World?</i>	Third Text 24.1, 2010
Shihade, Magid	<i>War on Terror, or Interests and Ideology? U.S. foreign policy before and after 9/11</i>	Journal of Alternative Perspectives in Social Sciences 1.3, 2009: 883-891
Shihade, Magid	<i>Growing up Palestinian in Israel: Masculinity, Colonialism, Apartheid, and Migration</i>	Mediterranean Journal of Human Rights, Volume 12 (Double issue), 2009
Irfan, Ghazala	<i>Ur dish/ Eng du or Minglish: what language do we speak?</i>	PEN Pakistan Literary Journal, 2009

BOOKS

AUTHOR	TITLE	PUBLISHED IN/BY
▶ Ahmad, Sadaf	<i>Transforming Faith: The Story of Islamic Revivalism Among Urban Pakistani Women</i>	New York: Syracuse University Press, 2009
▶ Ahmad, Sadaf (editor), Ali Khan (series editor)	<i>Pakistani Women: Multiple Locations and Competing Narratives</i>	Oxford University Press, 2010

NEW HIRES

▶ Ali Nobil ▶ Asma Sabir ▶ Emma Varley ▶ Lamia Irfan ▶ Livia Holden ▶ Nabiha Shaikh ▶ Parveen Akhtar ▶ Richard Ganis

DEPARTMENT OF ECONOMICS

The Department of Economics at LUMS is a growing and vibrant department that brings together a high quality faculty and student body. Having built its reputation as the premier institution for economics education in Pakistan, the department aspires to establish itself as an internationally recognised centre of theoretical and applied research in the field.

The Department of Economics offers a 4-year undergraduate programme in Economics (the first class graduated in 1997) as well as a Master's programme in Economics (the first class graduated in 2002). Economics is one of the most popular majors at the university and almost 50 per cent of the student body is enrolled in Economics either as a major, a joint degree programme or as a minor.



ACADEMIC EXCELLENCE

In the Department of Economics, the MSc and BSc (Honours) curricula have been rigorously reviewed as part of the exercise to transition to the semester system. Curricular review committees have been set up for this purpose. These review committees are clustered around field and core areas, comprising of all faculty members trained and working in a relevant field area. These committees are mandated to review courses at the beginning of each semester and conduct desk-reviews of all courses annually.

ADVISORY COMMITTEE

The Department of Economics put together an impressive advisory committee, which consists of internationally acclaimed and accomplished tenured professors from leading international and regional universities. The committee includes:

- Roger Myerson - Nobel Prize winner 2007, Professor of Economics, University of Chicago
- Abhijit Banerjee - Professor of Economics, MIT
- Rohini Somanathan - Professor of Economics, Delhi School of Economics
- Ehsan Choudhri - Professor of Economics, Carleton University
- Tahir Andrabi - Professor of Economics, Pomona College

The department has no doubt that the advisory committee will go a long way to strengthen processes of faculty mentoring, performance reviews and tenure. The guidance of the Advisory Council is needed at this stage in the department's development due to the absence of senior faculty with significant research experience.



RESEARCH

The faculty of the Department of Economics has been successful in winning and raising research grants both domestically and internationally. Although the department has a long way to go in raising large scale research grants, it has nonetheless made an impressive start, raising approximately PKR 32.33 million in grants during the past three to four years. Faculty from the department has won a major HEC-National Academy of Sciences (US) research grant in collaboration with faculty from Pomona College. This grant is financing research on child learning recovery in the aftermath of the Kashmir earthquake. The department faculty has also won a major research grant from the Centre of the Future State (CFS), Institute of Development Studies, University of Sussex, which is funding research on the impact of informal rural institutions on access to public services and political empowerment. The World Bank and Ministry of Industries have provided a major grant to department faculty to design an industrial strategy. Finally, the Punjab Planning and Development Board has funded research on the phenomenon and causes of backwardness at the mouazza-level.

It is important to highlight that a majority of these grants are pure research grants and not consultancies. It is also important to emphasise that the majority of research grants entail international collaborations with faculty from leading universities in the US and the UK. Another important aspect of the research portfolio is its strong linkages with state planning agencies. These linkages ensure that the applied research being conducted at the department has relevance and will provide feedback into decision-making at the level of state ministries and departments. By doing this, the department has been able to establish the tradition of socially relevant applied economics work.

RESEARCH GRANTS FOR ACADEMIC AND POLICY WORK

PROJECT TITLE	GRANT ORGANISATION	TIME PERIOD	GRANT AMOUNT	COLLABORATION
▶ <i>Education and Learning after the Pakistan Earthquake: Can the Children Recover?</i>	HEC-National Academy of Sciences	3 years	PKR 16.8m	Pomona College
▶ <i>Informal Institutions and Public Action</i>	Centre for Future State, Institute of Development Studies (IDS), University of Sussex	5 years	PKR 6.03m	IDS, Sussex Madras Institute of Development Studies University of Cambridge
▶ <i>Phenomenon and Analysis of Backward Mouazzas</i>	Punjab Planning & Development Board	2 years	PKR 1.1m	University of Oxford
▶ <i>Industrial Policy, its Spatial Aspects and Cluster Development in Pakistan</i>	World Bank/Ministry of Industries and Production, GOP	4-5 months	PKR 8.4m	
▶ <i>Agglomeration Economies and their Effects on Productivity and Efficiency of Manufacturing Firms: Evidence from Pakistan</i>	Dr. Mushtaq Khan	December 2010	GBP 21,960	London School of Economics, International Growth Centre
▶ <i>Implementation Mechanism for Industrial Policy 2010</i>	World Bank/Ministry of Industries and Production, Government of Pakistan, Islamabad	November – December 2010	USD 35,000	
▶ <i>Exploring the Links between polarization and poverty: Empirical Evidence from Pakistan</i>	South Asia Network for Economic Research Institutions (SANEI)	January – December 2010		
▶ <i>Industrial policy, its spatial aspects and cluster development in Pakistan</i>	World Bank, Washington, D.C. and Ministry of Industries, Government of Pakistan	April 21, 2010 – December 30, 2010	USD 100,000	With Kamal Munir, Mushtaq Khan, S.M. Turab Hussain, M. Usman Khan
▶ <i>Investigating the Emerging Economic, Social and Environmental Impacts and Implications of Agribusiness Support Fund's Interventions</i>	Asian Development Bank/Agribusiness Support Fund (ASF)	June 2009 – November 2009		Ministry of Food, Agriculture and Livestock, Government of Pakistan
▶ <i>Impact Assessment of Business Support Fund's Program Support in Pakistan</i>	Asian Development Bank/SME Business Support Fund (BSF)	May 2009 – July 2009		Ministry of Finance, Government of Pakistan
▶ <i>Team Leader, Written Test for Selection of Trade Officers for Pakistan's Foreign Missions, Islamabad</i>	Ministry of Commerce, GoP	July 2005 – present		

RESEARCH COLLABORATIONS

The department faculty has been able to initiate collaboration with the London School of Economics and the University of Oxford's leading global think tank on growth issues, the International Growth Centre (IGC: www.theigc.org).

Professor Ijaz Nabi has been appointed Country Director of the IGC Pakistan programme and Dr. Ali Cheema has been appointed co-lead academic, along with Professor Asim Ijaz Khwaja, Harvard University. Close links of the department faculty with the IGC opens up the potential for collaboration between the faculty and leading global researchers in economics. It also opens up opportunities to competitively bid for research grants.

The faculty has initiated collaborative research with Professor Roger Myerson, University of Chicago and Nobel Prize winner 2007, and with faculty from Cambridge, Carleton University, Pomona College, Harvard and Princeton. The faculty is also currently engaged in research with the Ministry of Industries, the Planning and Development Board, Punjab and with the Lahore School of Economics.

POLICY LINKAGES

The department faculty has established direct linkages with policymaking through a number of channels that go beyond the standard domain of consulting. Research from the department is being used as a critical tool in the policymaking and budgeting process. Pakistan's first district-level poverty mapping for the Punjab has been carried out at the department and is an important tool being used by the Punjab Planning and Development Board for purposes of budget-making.

Three faculty members from the department were inducted into the panel of economists established by the Planning Commission to prepare a home grown stabilisation policy and recovery plan. Inputs from LUMS faculty were critical in defining the policy proposals related to competitiveness, macroeconomic stabilisation and social protection that were adopted by the Federal cabinet. Three of these faculty members have been included in the Chief Minister Punjab's Economic Advisory Council; another faculty member sits on the Prime Minister's Economic Advisory Council.



KNOWLEDGE DISSEMINATION

CONFERENCES / SEMINARS / WORKSHOPS

- Dr. Hamza Malik visited LUMS to deliver a talk titled "Conducting Monetary Policy in Pakistan" and shared his experience of working at the State Bank of Pakistan
- Dr. Tahir Andarbi visited LUMS to discuss his recent research and to speak on "The Effect of Mother's Education on Child's Schooling"
- Mozaffer Qazilbash visited LUMS to discuss "The Framework of Ethics and Economics"
- Dr. Mathew McCartney conducted a seminar on April 9, 2010 on "Economic Growth in Pakistan from 1950 to 2008"
- A conference on "Stabilisation, Recovery and Social Protection" was organised

FACULTY PUBLICATIONS

AUTHOR	TITLE	PUBLISHED IN/BY
▶ Farooq Muhammad Naseer	<i>Learning in Punjab: Regional Gaps and School Characteristics</i>	Campaign for Quality Education, October 2010
▶ Farooq Muhammad Naseer (co-authored with Manasa Patnam, Reehana Raza)	<i>Transforming Public Schools: Impact of the CRI Programme on Child Learning in Pakistan</i>	Economics of Education Review, Volume 29, Issue 4, August 2010, Pages 669-683
▶ Hammad Siddiqi	<i>Information Transmission and Micro-structure Rents in Certain Emerging Markets</i>	Mid West Finance Association Meeting in Las Vegas, 2010
▶ Hammad Siddiqi	<i>A Tax Forecasting Model for Pakistan</i>	The Department of Finance and International Development (DFID), December 2009
▶ Hammad Siddiqi	<i>Coarse Thinking, Implied Volatility, and the Price of Call and Put Options</i>	Journal of Quantitative and Financial Analysis, 2010
▶ Hammad Siddiqi	<i>The Relevance of Thinking by Analogy for Investors' Willingness-to-Pay</i>	Journal of Economic Psychology, 2010
▶ Hammad Siddiqi	<i>Thinking by Analogy and Choice</i>	Journal of Neuroscience, Psychology and Economics, 2010
▶ Hammad Siddiqi	<i>The Emergence of a Peculiar Trading Facility in South Asia</i>	Journal of Emerging Markets, 2010

FACULTY PUBLICATIONS

AUTHOR	TITLE	PUBLISHED IN/BY
▶ Niazi, G.S.K., Abid A. Burki	<i>Financial Liberalization and Bank Performance: Empirical Evidence from Pakistan</i>	Saarbrücken: VDM Verlag Dr. Müller, 164 pages, (2010)
▶ Burki, Abid A.	<i>Do Group-Based BDS Matching Grants Affect Farm Level Outcomes? Evidence from Pakistan</i>	Revised and resubmit Agricultural Economics. Elsevier Inc. (2010)
▶ Burki, Abid A., G.S.K. Niazi	<i>Impact of Financial Reforms on Efficiency of State-owned, Private and Foreign Banks in Pakistan</i>	Applied Economics 42(24), 3147–3160. Routledge, Taylor & Francis Group (2010)
▶ Burki, Abid A., Shabbir Ahmad	<i>Bank Governance Changes in Developing Countries: Is There a Performance Effect?</i>	Journal of Economics and Business. 62(2), 129–146. Elsevier, Inc. (2010)
▶ Burki, Abid A., S.M. Turab Hussain	<i>Services Trade Negotiations in the Doha Round: Opportunities and Risks for Pakistan</i>	M. Mazhar Iqbal and M. Idrees (eds.) Trade and Economic Growth Linkages. Islamabad: Department of Economics, Quaid-i-Azam University. 1–32. (2009)
▶ Burki, Abid A., Mushtaq A. Khan	<i>Impact of Higher Wheat Prices on Poverty in Pakistan: Futuristic of Food Security</i>	M. Irfan and H.M. Yasin (eds.) Socio-economic Challenges Faced by Pakistan, Islamabad: International Institute of Islamic Economics, International Islamic University. 165–184. (2009)
▶ Burki, Abid A., Kamal Munir, Mushtaq A. Khan, Usman Khan, Adeel Faheem, Ayesha Khalid, S. Turab Hussain	<i>Industrial Policy, its Spatial Aspects and Cluster Development in Pakistan, Vol.1 & Vol. II</i>	Report commissioned by the World Bank and the Ministry of Industries and Production, Government of Pakistan, Islamabad. October, 337 pages & 62 pages
▶ Syed Turab Hussain. Monograph with Ijaz Nabi (Team Leader)	<i>Economic Growth and Structural Change in South Asia: Miracle or Mirage</i>	South Asia region, World Bank, March 2010
▶ Ali, S.Z., Sajid Anwar	<i>Exogenous Shocks and Exchange Rate Management in Developing Countries: A Theoretical Analysis</i>	International Journal of Business and Globalisation, Vol. 4, No. 4 (2010).
▶ Syeda Shahbano Ijaz	<i>Government Interventions in the Agricultural Sector of Pakistan, (South Asian Economics Students' Meet)</i>	Published in "Economic Challenges to make South Asia free from Poverty and Deprivation"(eds) Kumar, Meeta & Panday, Mihir (2010)

NEW HIRES

- ▶ Adeel Faheem ▶ Agha Ali Akram, Adjunct Faculty, Summer semester 2009-10 ▶ Bilal Mohammad Khan ▶ Danish Lakhani ▶ Dr. Syed Ali Hasanain
 ▶ Tarneena Musaddiq ▶ Syeda Shahbano Ijaz ▶ Kiran Naseer ▶ Farah Shahid ▶ Hadia Majid

DEPARTMENT OF LAW AND POLICY

The Department of Law and Policy combines the richness of our liberal arts education with a solid professional programme in law. The pedagogical approach to law and policy is analytical, critical and comparative. A high premium is placed on faculty research and policy output. In the span of six years, the law faculty has attracted graduates from Harvard, Oxford, Michigan, British Columbia, London School of Economics, Notre Dame and Yale. The full time faculty includes Osama Siddique, who has practiced corporate, mergers and acquisitions, project finance and leveraged lease finance laws as an Associate at the New York offices of the international law firms of Jones, Day, Reavis and Pogue LLP and Morgan, Lewis and Bockius LLP. The department is in the process of developing academic and exchange linkages with several universities in the region. With the induction of more faculty members and the launch of an LL.M programme, the Department of Law and Policy will evolve into a School of Law and Policy in a few years.



ACADEMIC EXCELLENCE

NEW MAJORS

Over the years, a concerted effort has been made to offer a diverse range of courses such as Competition Laws, Environmental Laws, Advance Mergers & Acquisitions, Gender and Islam, Comparative Criminal Legal Systems and Intellectual Property Law, to name a few. Some new electives were added to the list this year, keeping in mind student demands. These included Culture, Image, Text and Law; Law, Poverty and Development, Global Terrorism, Tax Law, Advanced Public International Law; International Commercial Arbitration and Concept of Law, among others.

ADVISORY COMMITTEE

The Law and Policy Department has attracted a highly impressive set of internationally recognised legal academics to serve on its advisory committee as mentioned below.

- Henry Steiner - Professor of Law, Emeritus, Harvard University
- Martin Lau - Barrister at Law, Essex Court Chambers, London Reader, Department of Law, School of Oriental and African Studies (SOAS), University of London
- Peter Schuck - Simeon E. Baldwin Professor Emeritus of Law and Professor (Adjunct) of Law, Yale University
- Clarence Dias - President, International Centre-Law & Development, New York
- David Kennedy - Director, European Law Research Centre & Professor of Law, Harvard University



KNOWLEDGE DISSEMINATION

CONFERENCES / SEMINARS / WORKSHOPS

- The Department of Law and Policy with the Development Policy Research Centre (DPRC) hosted a lecture by Senator Mian Raza Rabbani on May 7, 2010 on 'The Eighteenth Amendment: Implications and Challenges of Constitutional Reform in Pakistan'.
- The Department of Law and Policy held a lecture on the death penalty by Clive Stafford Smith and Scharlette.
- The Department of Law and Policy in collaboration with the Law and Politics Society held a seminar on medical negligence in Pakistan on April 5, 2010. The speakers at this seminar were Aqeel Malik, father of Imanae Malik; Ahmad Rafay Alam, LUMS faculty member and Dr. Salman Kazmi, General Secretary, Young Doctors Association.
- The Department of Law and Policy and the Development Policy Research Center held a talk by Mr. Erick Jensen on "The Rule of Law in Pakistan: A Perspective on Reform Efforts and Future Directions" on February 22, 2010.

- The Department of Law and Policy, the DPRC and the Law and Politics Society held a discussion titled 'Aftermath of the NRO', featuring noted human rights activist and legal expert Asma Jahangir; former Editor, The Nation, Mr. Arif Nizami and the esteemed analyst, Dr. Muhammad Waseem, political science faculty and Advocate, Supreme Court, Mr. Salman Raja.
- Justice Antonio Herman Benjamin, Judge of the Supreme Court of Brazil, visited LUMS.
- Irfan and Irfan, Attorneys at law, donated PKR 2.5 million to the Law and Policy Department.
- Dr. Ali Qazilbash was invited as a guest speaker by IRC on Interactive Dialogue with Bar Members on Gaps in the Implementation of Bonded Labour Abolition Act 1992 in Karachi Bar Council on August 22, 2009.
- Dr. Ali Qazilbash was invited to a workshop organised by the Law and Justice Commission of Pakistan in Punjab Judicial Academy, High Court Building, Lahore on December 19, 2009.

Junaid Ahmed, Visiting Faculty participated in the following conferences:

- "US-Pakistan Strategic Dialogue Conference"
Organised by Gillman Foundation and Convergence, Jacksonville, Florida, April 29-30, 2010
- Keynote speaker at UN Conference on Gender and Development, New York, May 4-5, 2010
- "Interfaith Perspectives on Globalisation and Development"
Chiang Mai, Thailand, November 1-5, 2009

OTHER ACTIVITIES

- 1) LUMS Law students won the Pakistan College of Law Moot Court Competition 2010. The team comprised of second year law students, Fahad Malik, Minam Karim, Savera Qazi and Zainab Qureshi. Zainab Qureshi was declared the Best Advocate while Minam Karim was awarded the second Best Advocate and Savera Qazi was declared the Best Researcher. The team also won the Best Memorial Award.
- 2) Earlier in the academic year 2009 - 2010 three of our students, were nominated to participate in the Asia Cup Moot Competition which is held annually in Tokyo under the aegis of the Japanese Ministry of Foreign Affairs. LUMS students were the only ones representing Pakistan in the said moot competition.
- 3) LUMS hosted its first National Moot Court Competition between November 14 - 15, 2009. The presiding judges for the moot court were Mr. Justice Jawwad S Khawaja, honourable Judge of the Supreme Court and former Head of the Law Department LUMS, Mr. Justice Sair Ali, honourable Judge of the Supreme Court and Mr. Justice Asad Munir, honourable Judge of Lahore High Court, Lahore.



FACULTY PUBLICATIONS

AUTHOR	TITLE	PUBLISHED IN/BY
▶ Junaid Ahmad	<i>Neo-Orientalism and Law in the 'War on Terror' Discourse in Pakistan</i>	The Journal of Islamic Law and Culture, September-October 2010
▶ Junaid Ahmad	<i>International Law and 'Af-Pak': A Preliminary Assessment</i>	Journal of the Afro-Middle East Centre (AMEC), Johannesburg, South Africa, June 2010
▶ Junaid Ahmad	<i>Multiple Deobands and Muslim Extremisms</i>	Journal of Islamic Studies, University of Cape Town, October - November 2009
▶ Junaid Ahmad	<i>Media and its Discontents in America: Some Legal and Socio-Cultural Problems</i>	Journal of the American Studies Centre, QAU, November 2009
▶ Junaid Ahmad	<i>The Islam Industry in the West: A Critique of Neo-Orientalist Trends</i>	American Journal of Islamic Social Sciences, December 2009
▶ Sikander Shah	<i>War on Terrorism: Self Defense, Operation Enduring Freedom and the Legality of U.S Drone Attacks in Pakistan</i>	Washington University Global Studies Law Review - Volume 9, 2010
▶ Sikander Shah	<i>River Boundary Delimitation and the Resolution of the Sir Creek Dispute between Pakistan and India</i>	34 Vt. L. Rev. 357, 2009
▶ Sikander Shah	<i>Human Rights and Non-Discrimination in the 'War on Terror' by Daniel Moeckli</i>	2008. 103 AM. J. INT'L L. 635, 2009

NEW HIRES

▶ Maryam Khan





The LUMS School of Science and Engineering (SSE), initiated in 2008, is the first private research school for science and engineering in Pakistan with a vision to carry out world-class, multidisciplinary education and research. Modeled on some of the leading universities of the world, it aims to be a paradigm shift for science and engineering education in the country.

SSE SCHOOL OF SCIENCE AND ENGINEERING

Dr. Shahab Baqai
Acting Dean

DEPARTMENT OF CHEMISTRY

During 2009-2010, the Department of Chemistry at the School of Science and Engineering (SSE) has demonstrated true excellence in teaching and research. On the teaching side, the chemistry faculty offered 3 joint courses in collaboration with accomplished professors at the University of Illinois at Urbana Champaign (UIUC), USA. With the same course contents, online quizzes and exams, LUMS students outperformed those at UIUC during the Fall of 2009. Additionally, two courses (CHEM231 Organic Chemistry-I & CHEM332 Organic Chemistry – II) based on the UIUC formats are currently in progress. During the summer, the chemistry faculty was also involved in developing the professional capabilities of academic staff by frequently arranging departmental seminars and discussions forums.

On the research side, the chemistry faculty did a remarkable job in publishing over 20 research publications in high-impact and respected international journals in the multidisciplinary and exciting fields of functionalized polymers, nanotechnology and organometallic chemistry. Due to limited research facilities at SSE, the chemistry faculty established research collaborations with national and international research groups in USA, UK, Germany and China in order to accomplish this research work. In addition, the faculty has developed effective collaboration with local industry to develop materials of mutual interest including nanoparticles-based antimicrobial paints, recyclable catalysts and formable and hard coatings. Moreover, the chemistry faculty has delivered several lectures at national and international forums including MIT, Chinese Academy of Sciences, University of Massachusetts and UIUC.

As SSE is developing, research and teaching facilities at the Department of Chemistry are also gradually improving. Our teaching and research labs are now well-equipped with state-of-the-art fume hoods, Fourier Transform Infrared Spectrometer (FTIR) with diamond ATR facility, UV-visible spectrophotometers, high temperature furnaces, high temperature autoclave, microwave reactor, Differential Scanning Colorimeter (DSC), bench-top centrifuges and other small equipment required for undergraduate teaching. In addition, the installment of a pH neutralisation plant to treat all the wastewater from the SSE building is also in progress under the guidance and supervision of Professor Khalid Rasheed and Dr Khalil Qureshi.



AUTHOR	TITLE	PUBLISHED IN/BY
Antonis Gitsas, Basit Yameen , Thomas Dominic Lazzara, Martin Steinhart, Hatice Duran and Wolfgang Knoll	<i>Polycyanurate Nanorod Arrays for Optical-Waveguide-based Biosensing</i>	Nano Letters, 2010, 10 (6), 2173-2177
David R. Selviah, Andy C. Walker, David A. Hutt, Navin Suyal, Habib-ur-Rehman and Chris Bryson	<i>Integrated Optical and Electronic Interconnect PCB Manufacturing Research</i>	Circuit World, 2010, 36, 2, 5-19
Irshad Hussain* , Syed Zajif Hussain, Habib-ur-Rehman , Ayesha Ihsan, Asma Rehman, Zafar M. Khalid, Mathias Brust and Andrew I. Cooper	<i>In-Situ Growth of Gold Nanoparticles on Latent Fingerprints – From Forensic Applications to Inkjet Printed Nanoparticle Patterns</i>	Nanoscale 2010, 2, 2575-2578
Alejandra Calvo, M. Cecilia Fuertes, Basit Yameen , Federico J. Williams, Omar Azzaroni and Galo J.A.A. Soler-Illia	<i>Nanochemistry in Confined Environments: Polyelectrolyte Brush-Assisted Synthesis of Gold Nanoparticles inside Ordered Mesoporous Thin Films</i>	Langmuir, 2010, 26, 5559-5567
Irshad Hussain* , Haifei Zhang, Mathias Brust, Justas Barauskas and Andrew I. Cooper	<i>Size-Controlled Emulsions Directed Assembly of Gold Nanoparticles to Spherical Aggregates</i>	Journal of Colloids and Interface Science, 2010, 350, 368-372
Basit Yameen , Anke Kaltbeitzel, Gunnar Glasser, Andreas Langner, Frank Müller, Ulrich Gösele, Wolfgang Knoll and Omar Azzaroni	<i>Hybrid Polymer-Silicon Proton Conducting Membranes via a Pore-Filling Surface-Initiated Polymerization Approach</i>	ACS Applied Materials & Interfaces, 2010, 2, 279-287 (Accepted as cover page)
Asma Rehman, Zulfiqar Ali Raza, Saif-ur-Rehman, Zafar M. Khalid, Chandramouleeswaran Subramani, Vincent M. Rotello and Irshad Hussain*	<i>Synthesis and use of Self-Assembled Rhamnolipid Microtubules as Template for Gold Nanoparticles Assembly to Form Porous Gold Microstructures</i>	Journal of Colloids and Interface Science, 2010, 347, 332-335
Basit Yameen , Mubarak Ali, Marta Álvarez, Reinhard Neumann, Wolfgang Ensinger, Wolfgang Knoll and Omar Azzaroni	<i>A Facile Route for the Preparation of Azide-Terminated Polymers. "Clicking" Polyelectrolyte Brushes on Planar Surfaces and Nanochannels</i>	Polymer Chemistry, 2010, 1, 183-192
Basit Yameen , Mubarak Ali, Reinhard Neumann, Wolfgang Ensinger, Wolfgang Knoll and Omar Azzaroni	<i>Proton-Regulated Rectified Ionic Transport through Solid-State Conical Nanopores Modified with Phosphate-Bearing Polymer Brushes</i>	Chem. Commun., 2010, 46, 1908-1910
Mubarak Ali, Basit Yameen , Javier Cervera, Patricio Ramírez, Reinhard Neumann, Wolfgang Ensinger, Wolfgang Knoll and Omar Azzaroni	<i>Layer-by-Layer Assembly of Polyelectrolytes into Ionic Current Rectifying Solid-State Nanopores: Insights from Theory and Experiment</i>	Journal of the American Chemical Society, 2010, 132, 8338-8348
Alejandra Calvo, Basit Yameen , Federico J. Williams, Galo J. A. A. Soler-Illia and Omar Azzaroni	<i>Mesoporous Films and Polymer Brushes Helping Each Other to Modulate Ionic Transport in Nanoconfined Environments. An Interesting Example of Synergism in Functional Hybrid Assemblies</i>	Journal of the American Chemical Society, 2009, 131, 10866-10868
Basit Yameen , M. Tamm, N. Vogel, A. Echler, R. Förch, U. Jonas and W. Knoll	<i>Cyanate Ester Resins as Thermally Stable Adhesives for Polyether Ether Ketone in Surface Design: Applications in Bioscience and Nanotechnology</i>	Editors: R. Förch, H. Schönherr, A.T.A. Jenkins; Wiley-VCH, Weinheim 2009, 145-164



AUTHOR

TITLE

PUBLISHED IN/BY

- | | | |
|--|--|--|
| ▶ Basit Yameen , Marta Alvarez, Omar Azzaroni, Ulrich Jonas and Wolfgang Knoll | <i>Polyetheretherketone (PEEK) Surface Functionalization via Surface Initiated Atom Transfer Radical Polymerization</i> | Langmuir 2009, 25, 6214-6220 |
| ▶ Basit Yameen , Anke Kaltbeitzel, Andreas Langer, Frank Müller, Ulrich Gösele, Wolfgang Knoll and Omar Azzaroni | <i>Highly Proton-Conducting Self-Humidifying Microchannels Generated by Copolymer Brushes on a Scaffold</i> | Angewandte Chemie-International Edition, 2009, 48, 3124-3128 |
| ▶ Basit Yameen , Mubarak Ali, Reinhard Neumann, Wolfgang Ensinger, Wolfgang Knoll and Omar Azzaroni | <i>Ionic Transport Through Single Solid-State Nanopores Controlled with Thermally Nanoactuated Macromolecular Gates</i> | Small, 2009, 5, 1287-1291 |
| ▶ Basit Yameen , Mubarak Ali, Reinhard Neumann, Wolfgang Ensinger, Wolfgang Knoll and Omar Azzaroni | <i>Synthetic Proton-Gated Ion Channels via Single Solid-State Nanochannels Modified with Responsive Polymer Brushes</i> | Nano Letters, 2009, 9, 2788-27934 |
| ▶ Ghayoor A. Chotana , Vanchura, B.A.II, Tse, Man-Kin, Staples, R.J., Maleczka, R. E. Jr and Milton R. Smith III | <i>Getting the Sterics Just Right: A five Coordinate Iridium Trisboryl Complex that Reacts with C-H Bonds at Room Temperature.</i> | Chem, Commun. 2009, 38, 5731-5733 |
| ▶ Roger Ristau, Ramchandra Tiruvalam, Patrick L. Clasen, Edward P. Gorskowski, Martin P. Harmer & Christopher J. Kiely, and Irshad Hussain & Mathias Brust. | <i>Thermal Stability Studies of Self-Assembled Arrays of Gold Nanoparticles</i> | Gold Bulletin, 2009, 42, 133 |
| ▶ Riaz Ahmad, Tayyaba Yameen , Ansari, M.S. and Chaudhry M. M | <i>Effect of Nickel Coating on Carbon for Adsorption of Cadmium from Aqueous Solutions</i> | The Canadian Journal of Chemical Engineering, 2009, 87, 448 |
| ▶ Irshad Hussain* , Mathias Brust, Justas Barauskas and Andrew I. Cooper | <i>Controlled Step Growth of Molecularly Linked Gold Nanoparticles - From Metallic Monomers to dimers to Polymeric Nanoparticle Chains</i> | Langmuir, 2009, 25, 1934 |

* Paper supervisor





SCHOLARLY TALKS AT NATIONAL AND INTERNATIONAL FORUMS



TOPIC OF TALK	SPEAKER	DETAILS
▶ <i>Synthesis and Applications of Nanostructured Materials</i>	Irshad Hussain	Lecture delivered at Department of Chemistry, Massachusetts University, Amherst, USA on July 8, 2009
▶ <i>Nanostructured Materials – Synthesis and Applications</i>	Irshad Hussain	Micro and Nanotechnology Lab, University of Illinois at Urbana-Champaign, USA on July 30, 2009
▶ <i>Nanobiotechnology – Prospects and Opportunities</i>	Irshad Hussain	Forman Christian College, Lahore on December 21, 2009
▶ <i>From Metal Nanoparticles to Nanostructured Materials – Synthesis and Applications</i>	Irshad Hussain	1 st National Conference on Radiations, Particles and Matter at GC University, Lahore on December 22, 2009
▶ <i>Metal Nanoparticles as Building Blocks for Advanced Materials Fabrication</i>	Irshad Hussain	Keynote lecture delivered at 7 th International Bhurban Conference on Applied Sciences and Technology (IBCAST) at National Centre for Physics, Islamabad on January 11-14, 2010
▶ <i>Metal Nanoparticles – Synthesis and Applications in Biotechnology and Advanced Materials Fabrication</i>	Irshad Hussain	Departments of Physics and Chemistry at GC University, Lahore on January 21, 2010
▶ <i>Nanostructured Materials – Synthesis and Applications</i>	Irshad Hussain	Plenary lecture delivered at 8 th International Chemistry Conference at Quaid-i-Azam University, Islamabad, Pakistan on February 15-17, 2010
▶ <i>Nanoparticles as Building Blocks for Advanced Materials Fabrication – A Chemist's Perspective</i>	Irshad Hussain	International Scientific Spring at National Centre for Physics (NCP), Quaid-i-Azam University, Islamabad, Pakistan on March 1-6, 2010
▶ <i>From Metal Nanoparticles to Nanostructured Materials – Synthesis and Applications</i>	Irshad Hussain	National Center for NanoScience & Technology, Chinese Academy of Sciences, Beijing, China on April 20, 2010
▶ <i>Metal Nanoparticles – Synthesis and Applications</i>	Irshad Hussain	Department of Chemistry, Huazhong University of Science & Technology, Wuhan, China on April 27, 2010
▶ <i>Nanostructured Materials – Synthesis and Applications in Medicine and Forensic Science</i>	Irshad Hussain	Department of Materials Science & Engineering, MIT, Boston on June 1, 2010
▶ <i>From Metal Nanoparticles to Nanostructured Materials – Applications in Biotechnology, Forensic Science and New Materials Fabrication</i>	Irshad Hussain	Micro and Nanotechnology Lab, University of Illinois at Urbana-Champaign (UIUC), USA on June 8, 2010

DEPARTMENT OF MATHEMATICS



FACULTY PUBLICATIONS

AUTHOR	TITLE	PUBLISHED IN/BY
▶ A. Majid and S. Sial	<i>Application of Sobolev Gradient Method to Poisson-Boltzmann Systems</i>	YJCPH3036, J. Computat. Phys. (2010)
▶ I. Beg and M. Abbas	<i>Random Solution Of Nonlinear Random Multivalued Operator Inclusion</i>	Boletin de la Sociedad Matematica Mexicana, 15(2) (2009), in press Mathematica Slovaca, 60 (3) (2010), 399-410
▶ I. Beg , A. Azam and M. Arshad	<i>Common Fixed Points For Maps on Topological Vector Space Valued Cone Metric Spaces</i>	Int. J. Math. & Math. Sci., 2009(2009) Article ID. 560264, 8 pages
▶ I. Beg , S. Sedghi and N. Shobe	<i>Common Fixed Points For Maps on Topological Vector Space Valued Cone Metric Spaces</i>	J. Fuzzy Math., 18(1) (2010), 75-84
▶ I. Beg and M. Abbas	<i>Fixed Points and Invariant Approximation in Random Normed Spaces</i>	Carpathian J. Math., 26(1) (2010), 36-40
▶ Azam, M. Arshad and I. Beg	<i>Existence of Fixed Points in Complete Cone Metric Spaces</i>	Int. J. Modern Math., 5(1) (2010), 91-99
▶ I. Beg , M. Abbas and T. Nazir	<i>Generalized Cone Metric Spaces</i>	J. Nonlinear Sci. Appl. 3(1) (2010), 21-31
▶ I. Beg and A.R. Butt	<i>Common Fixed Point for Generalized Set Valued Contractions Satisfying an Implicit Relation in Partially Ordered Metric Spaces</i>	Mathematical Communications, 15(1)(2010), 65-76
▶ I. Beg and N. Butt	<i>(Im)Possibility Theorems in Fuzzy Framework</i>	Critical Review; a publication of Society for Mathematics of Uncertainty, IV(2010), 1-11
▶ I. Beg and S. Ashraf	<i>On Poincare Paradox</i>	J. Fuzzy Math., 18(3) (2010), in press
▶ I. Beg and M. Abbas	<i>Common Fixed Points Of Banach Operator Pair on Fuzzy Normed Spaces</i>	Fixed Point Theory, (2010), in press
▶ I. Beg , A.R. Butt and S. Radojevic	<i>Contraction Principle for Set Valued Mappings on a Metric Space with a Graph</i>	Computers & Math. with Applications, (2010), in press
▶ I. Beg and M. Abbas	<i>Invariant Approximation for Fuzzy Nonexpansive Mappings</i>	Mathematica Bohemica, 135(2010), in press
▶ Azam, I. Beg and M. Arshad	<i>Fixed Point in Topological Vector Space Valued Cone Metric Spaces</i>	Fixed Point Theory and Appl., (2010), in press
▶ I. Beg and S. Ashraf	<i>Fuzzy Transitive Relations</i>	Fuzzy Systems & Math., (2010), in press
▶ I. Beg and S. Ashraf	<i>Fuzzy set of Inclusion Under Kleene's Implicator</i>	J. Fuzzy Math., accepted
▶ I. Beg , M. Abbas and A. Azam	<i>Periodic and Fixed Points of Random Operators</i>	Annales Mathematicae et Informaticae, accepted
▶ I. Beg and A.R. Butt	<i>Fixed Point Theorems for Set Valued Mappings in Partially Ordered Metric Spaces</i>	Applied and Computational Mathematics, accepted

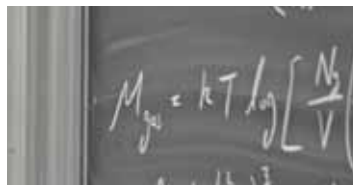


AUTHOR	TITLE	PUBLISHED IN/BY
▶ I. Beg and S. Ashraf	<i>Fuzzy Relations</i>	(ISBN 978-3-8383-2069-4), Lambert Academic Publishing, Germany 2009
▶ Duk-Sun Kim, Sang-Gu Lee and F.M. Bhatti	<i>Fibonacci Sequences and the Winning Conditions of the Blackout Game</i>	Int. J. Contemp. Math. Sciences, Vol. 5 (2010) No.30,1471-1485
▶ F.M. Bhatti and S A Ahmed	<i>On the Energy and Spectral Properties of the He-matrix of Honey Comb Graphs</i>	Proceedings in International Workshop on Pure And Applied Mathematics, Chiang Mai, Thailand
▶ Peter R. Kramer, Juan C. Latorre and Adnan A. Khan	<i>Two Coarse Graining Studies of Stochastic Models in Molecular Biology</i>	Communications in Mathematical Sciences, 2009
▶ S. H. Khan, M. Abbas and B. E. Rhoades	<i>A New One-step Iterative Scheme for Approximating Common Fixed Point of Two Multivalued Nonexpansive Mappings</i>	Rendiconti del Circolo Matematico di Palermo, 59(2010), 149-157
▶ M. Abbas , B. E. Rhoades and T. Nazir	<i>Common Fixed Points of Four Mappings in Cone Metric Spaces</i>	Applied Mathematics and Computation, 216 (2010) 80–86
▶ I. Naeem and F. M. Mahomed	<i>First Integrals for a General Linear System of two Second-Order Odes Via a Partial Lagrangian</i>	Journal of Physics A, doi: 10. 1088/175-8113/41/35/355207 (2009)
▶ I. Naeem and F. M. Mahomed	<i>Approximate First Integrals for a System of Two Coupled Van Der Pol Oscillators with Linear Diffusive Coupling</i>	Accepted in Mathematical and Computational Applications (2010)
▶ I. Naeem	<i>Conservation Laws and Conserved Quantities for Laminar Radial Jets with Swirl</i>	Accepted in Mathematical and Computational Applications (2010)
▶ M. Imran , M. Katherine and G. Wolkowicz	<i>Modeling Disease in the Chemostat</i>	SIAM Journal of Applied Dynamical Systems, submitted 2010
▶ Hanif, M. , Haq, I. U. and Shahbaz, M.Q	<i>On a New Family of Estimators using Multiple Auxiliary Attributes</i>	World Applied Science Journal. Vol 7(11) 1419-1422, 2009
▶ Hanif, M. , Hamad, N. and Shahbaz, M. Q	<i>A Modified Regression Estimators in Survey Sampling</i>	World Applied Science Journal. Vol 7(12) 7(12), 1559-1561. ISI, 2009
▶ Naqvi, H. and Hanif, M.	<i>Generalized Cyclic Circular Neighbour Designs</i>	Accepted J. Planning and Statistical Inference, USA, 2010
▶ Naqvi, H. and Hanif, M.	<i>Generalized-2 Neighbour Circular Designs with Same Parameters</i>	Submitted to Pakistan Journal of Statistics, 2010
▶ Ahmed, Z. and Hanif, M.	<i>Generalized Multi-Variate Regression Estimators for Partial Information Case using Multi-Auxiliary Variables</i>	Submitted for publication in World Applied Science Journal, 2010
▶ Naqvi, H., Yab, M. Z. and Hanif, M.	<i>Non Binary Neighbour Balance Circular Designs for $V=2n$ and $\lambda=2$</i>	Accepted for publication in J. Planning and Statistical Inference, USA, 2010



AUTHOR	TITLE	PUBLISHED IN/BY
▶ Ahmed, Z., Hanif, M. and Ahmad, M.	<i>Generalized Multiphase Multivariate Ratio Estimators for Partial Information Case Using Multi-Auxiliary Variables</i>	To appear in Korean Journal of Statistics, 2010
▶ Ahmed, Z., Hanif, M. and Ahmad, M.	<i>Generalized Regression in Regression Estimators for Two-Phase Sampling using Multi Auxiliary Variables</i>	Journal of Applied Statistical Science Vol. 19(3), 2010
▶ Hanif, M. , Haq, I. and Shahbaz, M. Q.	<i>Ratio Estimators Using Multiple Auxiliary Attributes</i>	World Applied Science Journal Vol. 8(1), 133-136, 2010
▶ Hanif, M. and Ahmad, M.	<i>Design and Model Based Sampling Inference</i>	Lambert Publication, Germany/USA, 2010
▶ Shahbaz, M. Q. and Hanif, M.	<i>Some Aspect of Unequal Probabilities Sampling</i>	Lambert Publication, Germany/USA, 2010
▶ Ahmad, Z and Hanif, M.	<i>Generalized Multivariate Ratio and Regression Estimators for Multi-Phase Sampling</i>	Lambert Publication Germany/USA, 2010
▶ Haq, I. and Hanif, M.	<i>Two –phase Sampling Using Multi-Auxiliary Attributes</i>	Lambert Publication, Germany/USA, 2010
▶ Hanif, M. , Khawaja, I. and Shahbaz, M. Q.	<i>Recent Development in Unequal Probabilities Sampling</i>	Lambert Publication, in press





EVENTS



July 27-28, 2009

Summer Conference in Mathematics



June 14 to July 14, 2010

Summer Research Programme for SSE Undergraduates



January 11-12, 2010

Winter Conference in Mathematics



July 27-28, 2010

Summer Conference in Mathematics



April 17 – 18, 2010

Conference on Recent Advances in Mathematical Methods, Models & Applications

RESEARCH APPOINTMENTS

FACULTY MEMBER	POSITION AND ORGANISATION	DURATION
Ismat Beg	<i>Member, Institute of Advanced Scientific Research, Irvine, CA, USA</i>	2009 – Present
Ismat Beg	<i>Honorary Full Professor, Institute for Basic Research, Florida, USA</i>	2009 – Present





RESEARCH PROJECTS



INVESTIGATOR	TOPIC	SPONSOR
▶ Bhatti F.M. , Sang-Gu Lee and Kinkar Das	<i>Spectral Properties of He-matrix for Hexagonal System</i>	Sponsored by Sunkyun University, South Korea, 2010
▶ J.W. Essam, D. Tanlakishani and Bhatti F.M.	<i>The Resistance of Compact Percolation Clusters</i>	Sponsored by LMS through Queen Mary College, London, 2010
▶ Arrowsmith D.K., Bhatti F.M. and Essam J.W.	<i>Partially Ordered Sets for Bose and Fermi Walks on Planar Graphs</i>	Sponsored by LMS through Queen Mary College, London, 2010



SCHOLARY TALKS AT NATIONAL AND INTERNATIONAL FORUMS

TOPIC OF TALK	SPEAKER	DETAILS
▶ <i>Nonlinear Operators; Six Selected Problems</i>	Ismat Beg	Weekly Seminar, Centre for Advanced Studies in Mathematics, Lahore University of Management Sciences, Lahore, Pakistan, 2009
▶ <i>Fuzzy Mathematics: Methods, Models and Applications</i>	Ismat Beg	Conference on Recent Advances in Mathematical Methods, Models and Applications, Lahore University of Management Sciences, Lahore, Pakistan, 2009
▶ <i>Fuzzy Logic: The Concept of Fuzziness</i>	Ismat Beg	Summer Conference in Mathematics, Lahore University of Management Sciences, Lahore, Pakistan, 2009
▶ <i>Fuzzy Relational Calculus</i>	Ismat Beg	Summer Undergraduate Research Programme '10, Lahore University of Management Sciences, Lahore, Pakistan, 2010
▶ <i>Spectral Graph Theory 2- Fermi & Bose Configurations on Directed Square Lattice</i>	F.M. Bhatti	Series of Four Seminars, Sunkyun Kwan University, South Korea, July-August, 2009
▶ <i>Partially Ordered Sets for Bose and Fermi Walks on Planar Graphs</i>	F.M. Bhatti	22 nd British Combinatorial Conference, St Andrews, Scotland, UK, July 5-10, 2009
▶ <i>The Scope of Interdisciplinary Mathematics in 21st Century</i>	F.M. Bhatti	University of Karachi, March 6, 2010
▶ <i>The Scope of Interdisciplinary Mathematics in 21st Century</i>	F.M. Bhatti	University of Sindh, Jamshoro, March 8, 2010



TOPIC OF TALK	SPEAKER	DETAILS
▶ <i>The Scope of Research in Interdisciplinary Mathematics in 21st Century</i>	F.M. Bhatti	BZU, Multan, April 4, 2010
▶ <i>The Scope of Research in Interdisciplinary Mathematics in 21st Century</i>	F.M. Bhatti	FC College, Lahore, May 3, 2010
▶ <i>Some Spectral Properties of He-matrix of Honey Comb Graphs</i>	F.M. Bhatti	Key Note Speaker, University of Karachi, April 22, 2010
▶ <i>Theory of Homogenization with Applications to Turbulent Transport</i>	Adnan Khan	International Symposium on Frontiers in Computational Sciences, Islamabad, June 2010
▶ <i>Non Standard Homogenization Theory for Transport by a Strong Mean Flow and Periodic Fluctuations, Turbulent Mixing and Beyond</i>	Adnan Khan	Italy, July 2009
▶ <i>Common Fixed Point Results for a New Class of Non Commuting Mappings with Applications in Menger Convex Metric Space</i>	Mujahid Abbas	The 10 th International Conference on Nonlinear Functional Analysis and Applications, Masan and Chinju, Korea, July 27-31, 2009
▶ <i>Common Fixed Point of Two Mappings Satisfying a Generalized Weak Contractive Condition</i>	Mujahid Abbas	Winter Conference, Lahore University of Management Sciences, Lahore, Pakistan, January 11 - 12, 2010
▶ <i>Common Fixed Points of Two Nonself Asymptotically Nonexpansive Mapping by A Simpler Iterative Process</i>	Mujahid Abbas	International Conference on Mathematical Inequalities and Applications, Abdus Salam School of Mathematical Sciences, Lahore, Pakistan, March 7-12, 2010
▶ <i>Approximation of Common Fixed Point by One Step Iterative Process</i>	Mujahid Abbas	Conference on Recent Advances in Mathematical Methods, Models and Applications, Lahore University of Management Sciences, Lahore, Pakistan, April 17-18, 2010
▶ <i>Dynamical Systems, Differential Equations and Applications</i>	Imran Naeem	8 th AIMS International Conference, Dresden University of Technology, Dresden, Germany, May 25 - 28, 2010
▶ <i>First integrals for Systems via Complex Partial Lagrangians</i>	Imran Naeem	WSEAS American conference on Applied Mathematics, University of Harvard, Cambridge, USA, January 27-29, 2010
▶ <i>The Dynamics of Bacterial Infection, Innate Immune Response, and Antibiotic Treatment</i>	Mudassar Imran	CMS Summer Conference, Memorial University, Newfoundland, July 2009
▶ <i>Epidemic of H1N1 in Manitoba</i>	Mudassar Imran	University of Manitoba weekly seminar, March 2010
▶ <i>Reduction of Error in Large Scale Sample Survey</i>	Hanif Mian	6 th International Seminar on Recent Development in Official Statistics, Shah Abdul Latif University, Khairpur Mir's Sindh, March 18-19, 2010

DEPARTMENT OF PHYSICS



FACULTY PUBLICATIONS

AUTHOR	TITLE	PUBLISHED IN/BY
▶ A. Iqbal , C. Kozcaz and K. Shabbir	<i>Refined Topological Vertex, Cylindric Partitions and $U(1)$ Adjoint Theory</i>	Nuclear Physics B Volume 838, Issue 3, Pages 422-457
▶ S. Gukov, A. Iqbal , C. Kozcaz and C. Vafa	<i>Link Homologies and the Refined Topological Vertex</i>	Communications in Mathematical Physics, Volume 298, Number 3, 757-785
▶ S.M. Ramay, S.A. Siddiqi, M.S. Anwar and S.-C. Shin	<i>Effect Of Temperature on Structural and Magnetic Properties of Laser Ablated Iron Oxide Deposited on Si(100)</i>	Chinese Physics Letters 26, 117504, 2009
▶ S. Atiq, S.A. Siddiqi, H-S. Lee, M.S. Anwar and S-C. Shin	<i>Structure-independent universality of Barkhausen criticality in iron-nitride thin films</i>	Solid State Communications doi:10.1016/j.ssc.2010.04.022
▶ Umer Hassan and M.S. Anwar	<i>Reducing Noise by Repetition: Introduction to Signal Averaging</i>	Eur. J. Phys. 31, 453-465, 2010
▶ M. Sheikh and N. A. Riza	<i>Motion-Free Hybrid Design Laser Beam Propagation Analyzer using a Digital Micro-mirror Device and a Variable Focus Liquid Lens</i>	Applied Optics, vol. 49, pp. D6-D11, June 2010
▶ N. A. Riza, M. Sheikh and F. Perez	<i>Hybrid Wireless-Wired Optical Sensor for Extreme Temperature Measurement in Next Generation Energy Efficient Gas Turbines</i>	ASME Journal of Engineering for Gas Turbines and Power, vol. 132, May 2010
▶ N. A. Riza and M. Sheikh	<i>All-Silicon Carbide Hybrid Wireless-Wired Optics Temperature Sensor Network Basic Design Engineering for Power Plant Gas Turbines</i>	International Journal of Optomechatronics, vol. 4, March 2010
▶ N. A. Riza and M. Sheikh	<i>Silicon Carbide-based Extreme Environment Hybrid Design Temperature Sensor using Optical Pyrometry and Laser Interferometry</i>	IEEE Sensors Journal, vol. 10, pp. 219-224, February 2010
▶ A. P. Balachandran and B. A. Qureshi	<i>Quasi-Hopf Algebras and Noncommutative Geometry</i>	Phys. Rev. D81:065006, 2010, arXiv:0903.0478 [hep-th]
▶ E. Akofof, A. P. Balachandran, L. Pekowsky, A. Joseph and B. A. Qureshi	<i>Constraints from CMB on Spacetime Noncommutativity and Causality Violation</i>	Phys. Rev. D79:063004,2009, arXiv:0806.2458 [astro-ph]





SCHOLARLY TALKS AT NATIONAL AND INTERNATIONAL FORUMS

TOPIC OF TALK	SPEAKER	DETAILS
▶ <i>Physics at Large Hadron Collider and its Experiments</i>	Ijaz Ahmed	Assistant Professor, COMSATS Institute of Information Technology (CIIT), Islamabad gave a talk on June 3, 2010 hosted by SSE-Physics Department, LUMS
▶ <i>Quantum Field Theory: The Language that Nature Speaks</i>	Babar Ahmed Qureshi	Visiting faculty, SSE-Physics Department gave a seminar on June 10, 2010 SSE-Physics Department, LUMS
▶ <i>A Natural Explanation for Magnetars</i>	Vikram Soni	Professor from Jamia Millia Islamia, Delhi, India gave a talk on May 7, 2010 hosted by SSE-Physics Department, LUMS
▶ <i>High-Energy Astrophysics and the Origin of Cosmic Rays</i>	Yousaf Butt	Physicist in the High-Energy Astrophysics Division at the Harvard-Smithsonian Center for Astrophysics, gave a talk on May 20, 2010 hosted by SSE-Physics Department, LUMS
▶ <i>Applications of lasers in optical imaging, medical diagnostics and photodynamic therapy</i>	Masroor Ikram	Head, Department of Physics and Applied Mathematics, Pakistan Institute of Engineering and Applied Sciences, Islamabad gave a talk on April 6, 2010 hosted by SSE-Physics Department, LUMS
▶ <i>Why Pakistan is not a Nation and How it Can Become One</i>	Pervez A. Hoodbhoy	Professor of Physics, Quaid-e-Azam University, Islamabad, gave a talk on March 6, 2010 hosted by SSE-Physics Department, LUMS
▶ <i>Frontiers in Particle Physics</i>	Shabana Nisar	A PhD in Experimental High Energy Physics from Syracuse University, USA gave a talk on March 16, 2010, hosted by SSE-Physics Department
▶ <i>On The Usefulness of Extra Dimensions of Space and Time</i>	Pervez A. Hoodbhoy	Professor of Physics, Quaid-e-Azam University, Islamabad, gave a talk on March 26, 2010
▶ <i>Research and Development Experience of a Nanotechnology Engineer</i>	Haroon Haider	Professor from KAUST University, Saudi Arabia gave a talk on February 18, 2010
▶ <i>Shrinking the MRI Machine</i>	Bernhard Blumich	Professor from RWTH Aachen University, Aachen, Germany delivered the lecture on February 16, 2010
▶ <i>MRI: The 'Spin' on Spin</i>	Sabieh Anwar	Assistant Professor, SSE, LUMS gave a talk on February 11, 2010
▶ <i>The Weak Force and its Manifestations at the Galactic Level</i>	Jamil-Un-Nabi	SSE Seminar Series on October 15, 2009
▶ <i>Complex (dusty) Plasmas: A Challenging Research Area</i>	Zahida Ehsan	SSE Seminar Series on October 29, 2009



RESEARCH PROJECTS



INVESTIGATOR

TOPIC

SUPERVISOR

▶ Sohaib Shamim, Development Engineer and Wasif Zia, Jr. Development Engineer	<i>Temperature Oscillations in a Metal: Probing aspects of Fourier Analysis</i>	Muhammad Sabieh Anwar
▶ Asma Khalid, Lab. Instructor	<i>Superconducting Quantum Interference Devices (SQUIDS)</i>	Muhammad Sabieh Anwar
▶ Aysha Aftab, Research Assistant	<i>Faraday's Effect</i>	Muhammad Sabieh Anwar
▶ Muhammad Wasif, Lab. Engineer	<i>Studying Phase Transition With a Strain Gage</i>	Muhammad Sabieh Anwar
▶ Waqas Mehmood, Lab. Instructor	<i>Latent Heat Of Vaporization of Liquid Nitrogen and Specific Heat Capacity Of Metals at Low Temperatures</i>	Muhammad Sabieh Anwar
▶ Waqas Mehmood, Lab. Instructor	<i>Verification Of Gas Laws And Making A Heat Engine</i>	Muhammad Sabieh Anwar
▶ Umer Hassan, Lab. Instructor	<i>Simulating Lattice Vibration On A Mass-Spring System</i>	Muhammad Sabieh Anwar
▶ Umer Hassan, Lab. Instructor	<i>Measuring Wavelength And Refractive Index Using Michelson Interferometer</i>	Muhammad Sabieh Anwar
▶ Sohaib Shamim, Development Engineer and Rameez Ahmed, Lab. Engineer	<i>Measuring Half Life Of Muons</i>	Muhammad Sabieh Anwar
▶ Sohaib Shamim, Development Engineer and Rameez Ahmed, Lab. Engineer	<i>Investigating Nuclear Radiations</i>	Muhammad Sabieh Anwar
▶ Junaid Alam, Lab. Engineer	<i>Chaos And Non-Linear Physics</i>	Muhammad Sabieh Anwar
▶ Abdul Manan, Junior Technician	<i>Heaters And Micro-Ovens</i>	Muhammad Sabieh Anwar
▶ Amrozia Shaheen, Lab. Instructor	<i>Measurement Of Energy Band Gap In Semiconductors</i>	Muhammad Sabieh Anwar
▶ Wasif Zia, Jr. Development Officer	<i>Zeeman Effect</i>	Muhammad Sabieh Anwar



SSE-PHYSICS CULTIVATES PHYSICS LAB AT THE INSTITUTE OF SPACE TECHNOLOGY (IST)

The SSE Physics Lab, led by Dr. Sabieh Anwar, is setting up a freshman laboratory at the Institute of Space Technology (IST), the educational face of the Pakistan Space and Upper Atmosphere Commission (SUPARCO), in Islamabad. In this venture, seven experiments covering an interesting variety of fields of physics will be deployed at the IST campus. This project will not only generate valuable revenue for the Physics Lab, but will also contribute to the mission of initiating a paradigm shift in the education of physics experimentation in the country.

The inception of the Physics Lab at SSE was powered by a vision of self-sufficiency and indigenous research and development. In materialising this dream, great efforts have been made by the team driving the 'PhysLab', as it is popularly called. A considerable amount of equipment and apparatus is home-made and locally designed. This not only reflects on a need for self-adequacy, but indicates towards native intellectual capacity as well.

As was the mission, the SSE Physics Lab decided to spread this passion further in the institutions of Pakistan. As the first step, the freshmen laboratory at IST Islamabad will be enlightening students with what has been a fruit of the labour of a devoted team, consisting of people such as Wasif Zia, Sohaib Shamim, Ahmed Waqas Zubairi, Waqas Mehmood, Muhammad Wasif, Asma Khalid, Junaid Alam, Amrozia Shaheen, Muhammad Yusuf, Ali Hassan and Umer Hassan.

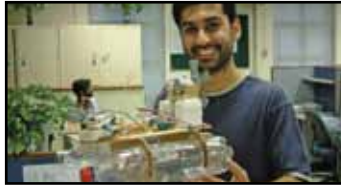


DEPARTMENT OF COMPUTER SCIENCE



FACULTY PUBLICATIONS

AUTHOR	TITLE	PUBLISHED IN/BY
▶ H. F. Almasalha, Ashfaq Khokhar, Amin A. and Shahab M. Baqai	<i>Scalable Security of Streaming Multimedia Contents</i>	IEEE 34th Conference on Local Computer Networks, 2009. LCN 2009, Page(s): 977-981, 2009
▶ Ahmad Shahzad, Sajjad Raza, Muhammad Nabeel Azam, Khurram Bilal and Shafay Shamail	<i>Automated Optimum Test Case Generation using Web Navigation Graphs</i>	5th International Conference on Emerging Technologies (ICET 2009), Islamabad, October 2009
▶ S. Khan, Asim Karim and S. Iqbal	<i>Helicobacter Urease: Niche Construction at Single Molecule Level</i>	Journal of Biosciences, Vol. 34, No. 4, pp. 503-511, 2009
▶ M.T. Hassan, A. Karim , S. Manandhar and J. Cussens	<i>Discriminative Clustering for Content-Based Tag Recommendation in Social Bookmarking Systems</i>	ECML PKDD Discovery Challenge Workshop 2009, Bled, Slovenia, September 2009
▶ M Kashif Farooq, Malik Jehan Khan, Shafay Shamail and Mian M Awais	<i>Intelligent Project Approval Cycle for Local Govt. - Case Based Reasoning Approach</i>	ICEGOV-2009, Bogota, Colombia, November 2009
▶ M. S.K.Awan and Mian M. Awais	<i>Predicting Weather Events Using Fuzzy Rule Based System</i>	Applied Soft Computing. Impact Factor 1.91, November 2009
▶ Basit Raza, Abdul Mateen, Tauqeer Hussain and Mian M. Awais	<i>Autonomic Success in Database Management Systems</i>	2009 Eighth IEEE/ACIS International Conference on Computer and Information Science (ICIS 2009), December 2009
▶ Abdul Mateen, Basit Raza, Tauqeer Hussain and Mian M. Awais	<i>Autonomicity in Universal Database DB2</i>	2009 Eighth IEEE/ACIS International Conference on Computer and Information Science (ICIS 2009)
▶ Kashif Murtaza, Sohaib Khan and Nasir Rajpoot	<i>VillageFinder: Segmentation of Nucleated Villages in Satellite Imagery</i>	British Machine Vision Conference (BMVC), September 2009
▶ Tariq Butt, Tabish Mufti, Ahmad Humayun, Peter B. Rosenthal, Sohaib Khan, Shahid Khan and Justin E. Molloy	<i>Myosin Motors Drive Long Range Alignment of Actin Filaments</i>	Journal of Biological Chemistry, February 2010
▶ Muhammad Bilal and Shahid Masud	<i>FIR Filter Implementation through Speculative Sub-Expression Sharing In Image Data</i>	ICASSP 2010, Dallas, USA, March 2010
▶ Fadi Almasalha, Ashfaq Khokhar, Shahab M Baqai	<i>Selective Encryption Based Data Security for OGG Streams</i>	35th IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP 2010), Dallas, USA, March 2010
▶ Fahad Javed and Naveed Arshad	<i>Engineering Optimization Models at Runtime for Dynamically Adaptive Systems</i>	ICECCS 2010, Oxford, UK March 22-26, 2010

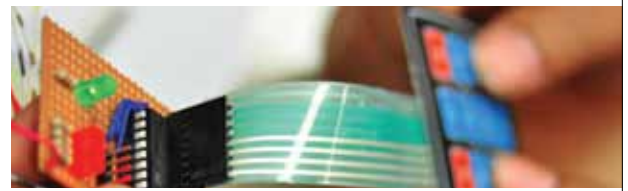


AUTHOR	TITLE	PUBLISHED IN/BY
▶ Arif Mahmood and Sohaib Khan	<i>Early Termination Algorithms for Adaboost Based Detectors</i>	ICIP, 2009 Cairo, Egypt, November 2009
▶ A. Z. Khan and Shahab M. Baqai	<i>A Case for Reducing Link Stress in a Multimedia Streaming Service Backbone</i>	2010 IEEE Symposium on Computers and Communications (ISCC), pages 945-947, June 2010
▶ H. Ali, K. Hameed, Nadeem Khan	<i>Identifying blind spots in a stereo view of early decisions in SI (Side Information) for fusion based DMVC</i>	WCSET 2009, Oslo, Norway, July 2009
▶ Fahad Javed, Naveed Arshad	<i>An Adaptive Optimization Framework for Large-scale Power Distribution Systems</i>	SASO, 2009, San Francisco, USA, September 2009
▶ Zeeshan Ali Rana, Mian M Awais, Shafay Shamail	<i>An FIS for Early Detection of Defect Prone Modules</i>	International Conference on Intelligent Computing (ICIC 2009) Ulsan, Korea, September 2009
▶ M Asim Butt, Shahid Masud	<i>FPGA Based Bandwidth Adjustable All Digital Direct Frequency Synthesizer</i>	International Symposium on Communication and Information Technology, September 28-30, 2009, Incheon, Korea
▶ Ahtsham Ali, Syed Farooq Ali, Nadeem A Khan, Shahid Masud	<i>Performance Improvement in Motion Estimation of Dirac Wavelet Based Video Codec</i>	International Symposium on Communication and Information Technology, September 28-30, 2009, Incheon, Korea
▶ Sajid Manzoor, Taimur A Qureshi, Muhammad D Liaqat, M K Farooq, Shafay Shamail	<i>A Comparison between Cadastre 2014 and Cadasteral System of Different Countries</i>	ICEGOV-2009, Bogota, Colombia, November 2009
▶ Nabil H Mustafa, A Basit, S. Ray and Sarfraz Raza	<i>Improving the first Selection Lemma in R³</i>	SOCG 2010, Snowbird, Utah, USA, June 13-16, 2010
▶ Nadeem A Khan, Amna Ahmad, M. Hussnain, Aadil Nazir, S. Masud	<i>Open Source Wavelet Based Video Conferencing System using SIP</i>	International Conference on Information Society (I-Society 2010), London, UK, June 28-30, 2010

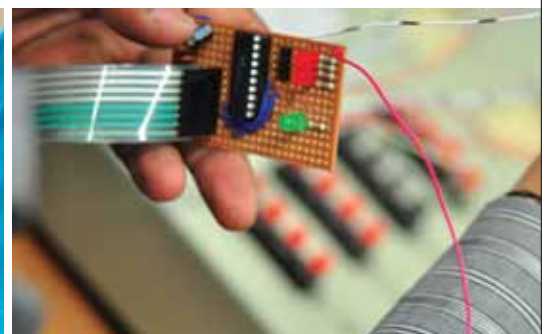




SCHOLARLY TALKS AT NATIONAL AND INTERNATIONAL FORUMS



TOPIC	SPEAKER	DETAILS
▶ <i>The World Digital Library (WDL)</i>	Sohail Aslam	Professor, LUMS spoke on July 9, 2009
▶ <i>Challenges and Innovations in Nano-CMOS Transistor Scaling</i>	Tahir Ghani	Intel Fellow, Logic Technology Development, Intel Corporation gave a lecture on August 21, 2009
▶ <i>Enabling Sustainable Rural Wireless Telemedicine</i>	Sonesh Surana	Professor from UC Berkeley gave a talk on November 12, 2009
▶ <i>Business and Economics of Energy</i>	Masood Ahmad	Director Integrated Planning, Dominion Resources Inc., USA gave a talk on December 4, 2009
▶ <i>Multirate Signal Processing for Software and Cognitive Radios</i>	Hafiz Faheem Sheikh	PhD Candidate, LUMS gave a talk on December 4, 2009
▶ <i>Building the World Largest Books Collection a Google Book Project</i>	Dr. Faisal Ahmad	Google Inc. USA gave a talk on December 10, 2009
▶ <i>Future Technological Trends in Embedded Markets</i>	Syed Gilani	From Accelerated Technology Private Limited gave a talk on January 22, 2010
▶ <i>Web Accessibility Workshop</i>	Asim Karim	From Silatur Rahim, Malaysia gave a talk on March 1-4, 2010
▶ <i>Application of Time Reversal Technique to Ultra Wideband and MIMO Communication Systems</i>	Ijaz Naqvi	From National Institute of Applied Sciences (INSA) of Rennes, France gave a talk on March 12, 2010
▶ <i>Recent Happenings and Research Directions in Wireless</i>	Alauddin Javed	Former Vice-President, Wireless Networks Technology, Nortel Networks gave a talk on April 16, 2010
▶ <i>Wind & Solar Energy Conversion Systems for Engineers</i>	Dr. Syed Muhammad Raza Kazmi	From New Energy Development Organisation gave a talk on May 11, 2010
▶ <i>Scalable Algorithms for Multiple Sequence Alignment in Computational Biology</i>	Dr. Ashfaq A Khokhar	From UIC, USA gave a talk on June 11, 2010



DEPARTMENT OF BIOLOGY

The Department of Biology is moving forward to materialise the vision of SSE by establishing a world class teaching curriculum for undergraduate students coupled with development of active teaching and research labs. Last year the biology department emphasised and focused on four main objectives for its growth:

- To actively search and recruit world-class faculty
- To initiate research at SSE, secure external funding for in-house and collaborative research projects
- To finalise the undergraduate biology curriculum for biology majors
- To establish research and teaching lab infrastructure and teaching laboratory facilities

FACULTY RECRUITMENT AND DEVELOPMENT

Last year 9 applicants were evaluated for various faculty positions in the department. After pre-screening by a departmental committee, one applicant, Dr. Sohail Qureshi has been offered a full professorship. He will be joining the department in January 2011. In July 2009, the department welcomed Dr. Muhammad Tariq, an Associate Professor, who will establish the first epigenetic research lab in Pakistan. Dr. Tariq Mahmood Butt who joined Dr. Shahid Khan's group in July 2008 as a postdoctoral fellow was promoted to Lecturer. In order to further strengthen the teaching branch of the biology faculty, Dr. Abdur Rauf Shakoori, National Distinguished Professor (Punjab University), Dr. Mudassar Iqbal (University of Warwick, UK), Dr. Shahid Mansoor (NIBGE, Faisalabad) and Junaid Iqbal (AKU, Karachi) were appointed as adjunct faculty.

In March 2010, Dr. Nasir Rajpoot, Associate Professor for Computer Science at Warwick University, UK, visited the Biology department for two weeks to develop collaborative research grants and to help develop the computational biology stream in our undergraduate curriculum. Dr. Rajpoot drafted an outline of the Junior level Computational Biology course together with Dr. Shahid Khan. He will take the lead in preparing this course with assistance from Dr. Iqbal and Dr. Khan.

RESEARCH

Despite the ongoing establishment of research infrastructure, Dr. Shahid Khan, Dr. Tariq Butt and their associates have continued to actively pursue research projects, both in-house and through collaborations. An important vehicle facilitating this effort was the HEC-BC link established between our group and the MRC centers at NIMR and Cambridge. Based on the publications that resulted from this grant, Dr. Butt was awarded an HEC grant of PKR 5.7 million for 2 years. A grant building on the HEC-BC Link has been approved for submission as a full application to the Wellcome Trust. The submission will be made before the end of April.

Dr. Usman Qazi received PKR 1 million as startup funds from the HEC. The funds will be used to purchase equipment to build a super-resolution optical microscopy system with the initial aim of supporting clinical histopathology, as electron microscopy is not available as a clinical diagnostic tool in Pakistan. The system will also be used for basic research.

Dr. Rajpoot is an expert in the area of digital image processing and analysis. He has developed efficient image representations for de-noising, feature extraction and characterisation of morphological patterns in images. He is active in the area of biomedical image analysis. A number of collaborative grant proposals are being formulated with Dr. Rajpoot and his colleagues at the Systems Biology Centre at Warwick. These proposals include single fluorophore tracking of evanescent wave microscope images of tagged motor proteins, photoactivatable intracellular kinase distributions in dendritic spines of hippocampal neurons and multi-channel fluorescence microscopy of sub-cellular structures and target protein patterns in cancer cells. These publications and awards are a step towards materialising the vision of the biology department to conduct self-sustaining research based on external funding.

TEACHING

In the fall of 2009, Biology department welcomed 18 sophomore students into a combined Life Sciences programme (with Chemistry). It is expected that of these, 15 will declare Biology as their major. In addition, an Economics major transferred from the School of Humanities, Social Sciences and Law to SSE-Biology. An internship programme is in place for summer 2010, whereby a number of these students will be trained under leading research laboratories in-house at sister institutions including the Centre for Excellence in Molecular Biology, Punjab University and in the industry at Ferozsons. An internship programme with foreign institutions, most immediately, the Indian Institute of Science, is also being established. The objective of these initiatives is to engage our students in the labs so that they start to formulate questions of biological significance for scientific projects based on practical experience.

High-quality training of our teaching assistants has been an integral part of our teaching programme. Teaching assistants Mayida Azhar and Muhammad Sheraz received training in laboratory skills at MRC Units in London and Cambridge respectively. It is a source of pride for the department that a number of our teaching and research assistants have received full scholarships for graduate work abroad. These, so far, are Mr. Mohammad Sohail (Plant Molecular Biology, University of Alberta, Canada), Ms. Asma Amjad (Cellular Neuroscience, SISSA, Italy), Ms. Ailia Gardezi (Bioengineering, Georgia Tech, USA), Ms. Ayisha Shabbir (Cellular Neuroscience, SISSA, Italy), Mr. Muhammad Sheraz (University of South Carolina) and Mr. Ali Mumtaz (Developmental Biology, University of Sussex).

CURRICULUM

The four year curriculum for biology major students was finalised with the aim that mainly the curriculum should focus on two main streams:

1. Cell and Molecular Biology
2. Bioinformatics and Computational Biology

The courses offered by the biology department to sophomore and freshman classes in the Fall 2009 and Spring 2010 are as follow:

Fall semester 2009

BIO221-Genetics
Dr. Muhammad Tariq

BIO211-Physiology
Dr. Usman Qazi

Spring semester 2010

BIO212-Biochemistry
Dr. Shahid Khan

BIO101-Freshman Biology
Dr. Shahid Khan

BIO100-Freshman Biology Lab
Dr. Muhammad Tariq

MA342-Mathematical Biology
Drs. Usman Qazi / Adnan Khan (Math)

INFRASTRUCTURE DEVELOPMENT

RESEARCH AND TEACHING LAB FACILITIES

Development of fully equipped and functional biology teaching and research labs continues to be the main priority for the department, in order to continue to attract the best faculty from around the world and to accommodate the growing number of students at SSE that have committed to the vision of research-oriented learning at SSE.

In January 2009, one of the four biology labs on the 4th floor of the SSE building was handed over to the department. The biology freshmen laboratory is being held this year in this lab as a contingency as this is originally dedicated research space. The department has been given an assurance that all four labs will be fully functional by the end of summer 2010. In fall 2010, the department will conduct the research-intensive Junior Biology lab, as well as the Computational Biology course. These courses require that these labs are established and made operational a month or so before the start of the fall term.

PROCUREMENT

The development of an efficient procurement system for purchasing consumables for research and teaching lab is critical for the department and the school. The biology faculty has worked closely with a dedicated team from the procurement department to facilitate them in purchasing scientific equipment and consumables. Usually it takes a minimum of 3-4 months to place an order after fulfilling all administrative requirements and vendors require another 6-8 weeks to supply the required item. Therefore, it is imperative to continue to strive hard to improve the system. For example, the faculty has proposed that negotiations should be made with the HEC or concerned authorities to reduce bureaucratic hurdles involved in the procurement process, in order for research activities to proceed smoothly.





FACULTY PUBLICATIONS

AUTHOR	TITLE	PUBLISHED IN/BY
▶ Xie, J., Khan, S. and M. Shah	<i>Automatic Tracking of Escherichia Coli in Phase-Contrast Microscopy Video</i>	IEEE Trans. Biomed. Eng. 56,390-99, 2009
▶ Khan, S., Iqbal, S. and A. Karim	<i>Helicobacter Urease: Niche Construction at the Single Molecule Level</i>	J. Biosci.34, 503-11, 2009
▶ DePristo, M., Chang, L., Lipkow, K, Vale, R.D. and S. Khan	<i>Introducing Simulated Cellular Architecture to the Quantitative Analysis of Fluorescence Microscopy</i>	Prog. Biophys. Mol. Biol. 100,25-32, 2009
▶ Butt, T., Mufti, T., Humayun, A., Rosenthal, P.B., Khan, S., Khan, S. and J.E. Molloy	<i>Myosin Motors Drive Long-Range Alignment of Actin Filaments</i>	J. Biol. Chem. 285,4964-74, 2010
▶ Khan, S., Zou, Y., Amjad, A., Gardezi, A., Smith, C.L., Winters, C. and T.S. Reese	<i>Sequestration of CaMKII in Dendritic Spines Studied in Culture and in Silico</i>	Mol. Cell. Neurosci, 2010. Under review.
▶ Khan, S. and A.J. Robinson	<i>The Analogy Between the F1Fo ATP Synthase and Bacterial Flagellar Protein Export Apparatus</i>	J. Mol. Biol. 2010. Under review
▶ Galli A., Robay D., Osterwalder M., Bao Z., Benazet J., Tariq M., Paro R., Mackem S and Zeller R.	<i>Distinct Roles of Hand2 in Initiating Polarity and Posterior Shh Expression During the Onset of Mouse Limb Bud Development</i>	PLoS Genetics 6(4) e1000901, 2010
▶ Butt, T., Azhar, M., Khan, S. and J. E. Molloy	<i>Physico-Chemical Parameters for Formation of Motile Cytoskeletal Micro-Domains. Invited Commentary</i>	J. Integ. Comm. Biol. 2010. In preparation





SCHOLARLY TALKS AT NATIONAL AND INTERNATIONAL FORUMS

TOPIC OF TALK	SPEAKER	DETAILS
▶ Computer Tools for Cellular Processes In vitro and In vivo	Shahid Khan	Seminar speaker, Warwick University, UK, December 2009
▶ Workshop on the HEC-BC Link Programme	Shahid Khan and Tariq Butt	Invited attendees, British Consulate, Islamabad, May 2010
▶ Spatio-Temporal Maps of CaMKII in Dendritic Spines	Shahid Khan	Speaker, Gordon Research Conference – Cell Biology of the Neuron, New Hampshire, USA, June 2010
▶ Chaperoning Epigenetics: Molecular Link Between Trithorax, Hsp90 and Cellular Memory	Muhammad Tariq	Invited speaker, Agha Khan University on July 6, 2009
▶ Epigenetics of Cellular Memory in Disease and Development	Muhammad Tariq	Invited speaker, Lahore Biotech Cluster meeting at FCC University, Lahore, March 2010
▶ COMSTECH, ICLS and PAS International Workshop on "Conduct of Responsible Science, Safety, Security and Ethics"	Muhammad Tariq	Invited guest at workshop held on June 9-10, 2010 at COMSTECH Secretariat, Islamabad, Pakistan

GRANTS

FUNDED

PROJECT	GRANT ORGANISATION	DURATION	GRANT AMOUNT (PKR MILLION)	INVESTIGATORS
Bio-Nanotechnology Research Initiative	HEC-BC	January 2007-December 2009	6	Dr. Shahid Khan, Dr. Khurram Afridi
Studies on the Molecular Basis of Deafness Disorders caused by Myosin-VI Variants	HEC	January 2010 - December 2012	5.2	Dr. Tariq Butt
Molecular Characterization of Threonine Phosphorylation in Enhancer of Zeste Involved in Maintenance of Cell Memory	LUMS FIF grant	September 2010 - October 2011	0.75	Dr. Muhammad Tariq

SUBMITTED

PROJECT	GRANT	INVESTIGATORS
▶ HEC-BC for MOU between LUMS-SSE Biology and MRC Units in London and Cambridge for joint PhD programme in Biochemistry	INSPIRE Exploratory Grant	Dr. Shahid Khan
▶ The role of proton-motive force in T3SS protein export	Wellcome Trust	Dr. Shahid Khan
▶ Molecular characterization of phosphorylation and sumoylation sites in Drosophila Polycomb protein	HEC Research Grant	Dr. Muhammad Tariq

DEPARTMENT OF OF ELECTRICAL ENGINEERING



FACULTY PUBLICATIONS

AUTHOR	TITLE	PUBLISHED IN/BY
▶ Ijaz Naqvi, A. Khaleghi, G. El Zein	<i>Time Reversal UWB Communication System: A Novel Modulation Scheme with Experimental Validation</i>	EURASIP Journal on Wireless Communications and Networking, June 2010
▶ Ijaz Naqvi, G. El Zein, G. Lerosey, J. de Rosny, P. Besnier, A. Tourin, M. Fink	<i>Time Reversal UWB Communication: Experimental Study for High Data Rates in Dense Multipath Propagation Channels</i>	IET Journal of Antenna and Propagation, vol. 4, No. 5, pp 643—650, March 2010
▶ Faheem Sheikh, Shahid Masud	<i>Sample Rate Conversion Filter Design for Multi-standard Software Radios</i>	Digital Signal Processing Journal, Elsevier, Vol 20, Issue 1, January 2010, pp 3 – 12
▶ Muhammad Bilal, Shahid Masud	<i>FIR Filter Implementation through Speculative Sub-Expression Sharing in Image Data</i>	Processing IEEE International Conference on Acoustics Speech and Signal Processing, pp.1582-1585, 14-19 March 2010
▶ Aadil Zia Khan; Shahab Baqai	<i>A Case for Reducing Link Stress in a Multimedia Streaming Service Backbone</i>	IEEE Symposium on Computers and Communications (ISCC), June 2010, Page(s): 945 - 947
▶ F. Almasalha, A. Khokhar, S. Baqai	<i>Selective Encryption Based Data Security for Ogg Streams</i>	Processing IEEE International Conference on Acoustics Speech and Signal, March 2010, Page(s): 1850 - 1853
▶ A. Ahmad, M. Hussnain, A. Nazir, N. Khan, S. Masud	<i>Open Source Wavelet Based Video Conferencing System using SIP</i>	Proceedings of International Conference on Information Society, London, UK, June 2010
▶ I. Haq, K. M. Yahya, J.M. Irvine, R. Yaqub, T. M. Jadoon	<i>Seamless Handoff Based on Network Discovery for Future Heterogeneous Mobile Networks</i>	International Conference on Ultra Modern Telecommunications, October 12-14, 2009, St. Petersburg ISBN: 978-1-4244-3942-3
▶ M. A. Butt, S. Masud	<i>FPGA Based Bandwidth Adjustable All Digital Direct Frequency Synthesizer</i>	International Symposium on Communications and Information Technology (ISCIT), Korea, September 2009
▶ Ahtsham Ali, Syed Farooq Ali, Nadeem Khan, Shahid Masud	<i>Performance Improvement in Motion Estimation of Dirac Wavelet Based Video Codec</i>	9th International Symposium on Communication and Information Technologies (ISCIT 2009), September 28-30, 2009, pp. 764-769, Incheon, Korea
▶ Sultan Shakeel, Fakhar Khan, Ahmed Majeed, Nadeem Khan	<i>Power Aware Decoding of a Scalable Video Bit-stream</i>	2009 International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS-2009), July 13-16, 2009, pp. 125-130, Istanbul, Turkey
▶ A.R. Maud, S. Masud, Rehan Ahmed	<i>Architecture Level Design Space Exploration Of Superscalar Processor For Multimedia Applications</i>	International Simulation Multiconference, July 13 – 17, 2009, Istanbul, Turkey, pp 21 – 26 {Best Paper Award}
▶ A. Gardezi, N. Ahsan, S. Masud	<i>Framework for Performance Analysis of RTOS Enabled Embedded Systems on FPGA</i>	International Simulation Multiconference, July 13 – 17, 2009, Istanbul, Turkey, pp 35 – 40
▶ S. Sultan, S. Masud	<i>Rapid Software Power Estimation of Embedded Pipelined Processor through Instruction Level Power Model</i>	International Simulation Multiconference, July 13 – 17, 2009, Istanbul, Turkey, pp 27 – 34
▶ H. Ali, K. Hameed, N. Khan	<i>Identifying Blind Spots in a Stereo View for Early Decisions in SI for Fusion based DMVC</i>	Proceedings of World Academy of Science, Engineering and Technology, Volume 59, July 2009, pp. 298-301, Oslo, Norway



SCHOLARLY TALKS AT NATIONAL AND INTERNATIONAL FORUMS

TOPIC OF TALK	SPEAKER	DETAILS
▶ FIR Filter Implementation through Speculative Sub-Expression Sharing in Image Data	Dr. Shahid Masud	ICASSP, Dallas, Texas, USA. March 14-19, 2010.
▶ Detecting Narrow Passages in Configuration Spaces Via Spectra of Probabilistic Roadmaps	Dr. Abubakr Muhammad	ACM Symposium on Applied Computing, Sierre, Switzerland, March 22-26, 2010.



RESEARCH PROJECTS

INVESTIGATOR	TOPIC	SPONSOR/SUPERVISOR
▶ Dr. Nadeem Khan and Dr. Jahangir Ikram	Power Aware Video Coding	ICT R&D Fund
▶ Dr. Shahid Masud	Real time Embedded Systems	Mentor Graphics Inc.
▶ Dr. Jahangir Ikram	VIEW – Volunteer Internet Watch	Punjab Govt, Environment Agency
▶ Dr. Abubakr Muhammad	Localisation of gunshot	Zephyr Textiles, Lahore

SEMINARS

TOPIC	SPEAKER	DATE
▶ Entrepreneurship for Electrical Engineers	Usman Malik, University of Glasgow	June 24, 2010
▶ EE Major Day	Dr. Inam Rana	June 6, 2010
▶ EE Projects Day	Dr. Zartash, Dr. Shahid, Dr. Jahangir, Prof Abidi, Dr. Abubakr	June 6, 2010
▶ Energy Crisis and Solar Energy Solution	Engr. Muhammad Qasim Khan, Member Power, WAPDA	May 24, 2010
▶ Wind and Solar Energy Conversion	Dr. Syed Muhaamd Raza Kazmi from Tohoku University Japan	May 11, 2010
▶ Smart Power Distribution through Smart Meters	Mr. Nauman Ahmad Zaffar	April 15, 2010
▶ Application of Time-Reversal Technique to Ultra Wideband and MIMO	Dr. Ijaz Naqvi	March 12, 2010
▶ Novel Direct Adaptive Controllers for Robotic Manipulators	Dr. Muhammad Saad Salman, University of Ballarat, Australia	February 25, 2010
▶ Structure and Randomness: All there is to Compressive Sensing	Salman Asif, Georgia Tech, USA	January 20, 2010
▶ Circuits Project Exhibition	Dr. Shahid Masud, Dr. Jahangir Ikram	December 14, 2009
▶ Introduction to FPGA Design	Mr. Khawar Sarfraz	December 2009
▶ Connectivity of Wireless Ad Hoc Networks with Beam forming	Dr. Salman Durrani, Australian National University, Canberra, Australia	December 7, 2009
▶ High Efficiency Microwave Power Amplifiers	Jawad Qureshi, TU-Delft, Netherlands	September 18, 2009



CENTRES



CASE RESEARCH CENTRE

The Case Research Centre (CRC) plays a coordination and editorial role in the development of well-researched case studies, written by the Suleman Dawood School of Business (SDSB) faculty. The CRC also utilises teaching material produced by business schools in North America, Europe and the Asia Pacific region. It manages an inventory of cases and other teaching material for the faculty.

An international case research journal “Asian Journal of Management Cases” is published biannually by the CRC.

The Case Research Centre has a database of more than 450 cases/industry notes written by the SDSB faculty. Additionally, over a hundred cases/industry notes are in the process of being developed. These Pakistan specific cases are drawn from real life issues in organisations, experienced first-hand by the faculty, as the result of research or consultation activities.

CRC ACHIEVEMENTS OF 2009

ASIAN JOURNAL OF MANAGEMENT CASES (AJMC)

AJMC is a peer-reviewed biannual publication that aims to provide high-quality teaching material to academics, consultants and management developers through focus on case based research on management practices in the socioeconomic context of developing Asian countries. In most of these countries, ineffectual institutional arrangements and limited managerial, as well as financial resources have combined to create a wide array of management challenges, for which new responses and processes are needed. The limited management research in these complex but challenging environments provided the impetus for this journal.

AJMC Achievements in 2009

- Volumes 6 Numbers 1 & 2 of AJMC were printed.
- The number of institutional subscriptions of AJMC reached 526 out of which 522 are in India. According to Sage Publications, we are becoming increasingly popular in India which also explains why 90% of our submissions are from Indian universities and institutes.
- Besides India, submissions were received from France, Indonesia, New Zealand, UAE, Saudi Arabia, Malaysia, Africa and Japan. We consider these as achievements because we have continually attempted and desired to go beyond South Asia.
- Our article/case acceptance rate is around 10% and we have continued to maintain our stance that we will not compromise quality for quantity.

EUROPEAN CASE CLEARING HOUSE (ECCH) AGREEMENT

ECCH is the world's largest and most up-to-date collection of management case studies. In 2008, an agreement was signed between LUMS and ECCHS through which all of the LUMS cases would be available through ECCHS. This will obviously give LUMS case studies a wide exposure. This agreement was initiated by SEDC for its cases. However CRC began work on it in 2009. Considering the limited human resources in CRC, work is moving forward slowly but steadily. So far, all of the Marketing and MIS cases have been uploaded. OB/HRM case uploading is in progress.

LUMS PRESS PUBLICATIONS

In 2006, LUMS acquired the rights to become a publisher. The aim was to encourage research and scholarly work in keeping with the LUMS mission of becoming a research university.

LUMS Press Achievements in 2009

- **Voices from the Field, Experiences of Interns and Organisations – SEDC Student Internship Programme**
LUMS students interned at different social sector organisations as a part of the Student Internship Programme (SIP) which was the On-the-Job-Assistance initiative of the LUMS–McGill Social Enterprise Development Programme (SEDP). This publication is a compilation about the field experiences of the interns and the organisations who took part in this SIP Programme 2006-08. CRC mainly provided editorial and some design help in the publication of this book.

- **“Achieving Competitive Advantage in Pakistan’s Knitwear Garments Industry” written by Arif I. Rana and Jamshed H. Khan**
This book was LUMS Press’ first complete publication. CRC managed the book publication process from receiving the manuscript (MS) from the authors, conducting the review process, editing the MS, to finalising the design and format with the printer and supervising the production of the book. CRC also arranged a book launch ceremony in collaboration with UNDP. The book has received a very favourable response.

- **Forthcoming Publications (initiated in 2009)**

The CRC was also actively working on some forthcoming publications that included:

- A book on Criminal Procedures by Justice (R) Fazal Karim, visiting faculty at the Department of Law and Policy, LUMS
- NGO Pulse Report: NGOs and Gender: Equity Issues and Challenges in Pakistan – an SEDC publication

Please note that since LUMS Press is no longer a part of the CRC, the department is no longer working on these projects.

CRC LOCAL SALES

LUMS case studies are extremely popular in business schools all over Pakistan. With minimal marketing and exposure, the department sold almost 300 case studies to business schools and corporate organisations in 2009.

Please note that the sale transactions of local case studies are managed by PCO and not the CRC.

FUTURE PLANS (2010-11)


Asian Journal of Management Cases

- Printing of AJMC Volumes 7 Issues 1 & 2
- Improvement in the quality of AJMC case submissions
- We plan to work towards increasing the number of cases submitted to AJMC from the LUMS faculty.
- We also plan to form relationships with other case centres in Asia which will definitely help in giving AJMC a push.
- Improvement in AJMC marketing
- We hope to increase the number of institutions subscribing to AJMC.

Case writing at LUMS

- One of our main focuses this year will be on increasing the value of the CRC and case writing in general for the junior business school faculty.
- We hope to see an increase in the number of cases written by junior SDSB faculty to CRC and/or AJMC.
- We also plan to execute a survey report that will demonstrate the impact that LUMS case studies have on our alumni and executive participants.





CENTRE FOR ADVANCED STUDIES IN MATHEMATICS

Centre for Advanced Studies in Mathematics (CASM), was established on July 1, 2004 with the mission to:

- Provide the best resource centre and an excellent learning place for Mathematics
- Provide a platform for interaction with the local industry and trading institutions
- Promote interaction between mathematicians and the experts of other disciplines, such as electrical and computer engineering, economic and social sciences

Some activities of special interest, in line with the mission of CASM are:

- i. To conduct research in various sub-specialisations of Mathematics
- ii. To hold regular workshops/conferences for faculty and students
- iii. Conduct short courses depending on indigenous requirements to provide a clear vision for future
- iv. Explore linkages with other disciplines for evoking applicability of mathematics in modeling and other aspects

CASM provides funding in various ways, depending upon the type and duration of the proposed activity. There is no deadline for an application. Successful proposals are funded on a first come, first served basis subject to the availability of funds.

VISITORS AND LINKAGES

The following scientists visited CASM at LUMS during 2009-2010 as Pre/Post Doctoral Fellows.

1. Dr. M.O. Olatinwo

Department of Mathematics, Obafemi Awolowo University
Ile-Ife, Nigeria

Duration: January 01, 2010 – June 30, 2010

2. Dr. Khalid Mahmood Aamir

Informatic Complex, H-8/1, Islamabad

Duration: September 01, 2009 – January 31, 2010

CASM HAS SEVERAL INTERNATIONAL LINKAGES

- i. International Centre for Theoretical Physics, Trieste, Italy
- ii. The Academy of Sciences for Developing World
- iii. UNESCO
- iv. International Council for Industrial and Applied Mathematics
- v. American Mathematical Society



DEVELOPMENT POLICY RESEARCH CENTRE

PROMOTING INTER-DISCIPLINARY RESEARCH

The Development Policy Research Centre (DPRC) of the School of Humanities, Social Sciences and Law (SHSSL), is envisaged as a knowledge centre structured around core socioeconomic development themes, with the objective of carrying out multi-disciplinary research. The DPRC facilitates cutting edge multidisciplinary research across the SHSSL to engage in evidence-based policy making and public discussion. Given the current political and security situation in Pakistan, there is a greater urgency for evidence based policy making informed by rigorous, inter-disciplinary insights. Keeping this in mind, SHSSL is building up a consolidated research platform to complement its already well-established, world class teaching platform and individual research activities.

The centre combines the disciplines of social sciences and law to strengthen evidence-based policymaking. The centre is structured to disseminate its findings through publications, seminars, workshops, conferences and policy advocacy forums. Through the centre, SHSSL expects to develop a culture of consolidated academic research, integrate the knowledge into classroom teaching materials and establish collaborative linkages with domestic and international research institutions. SHSSL is widely regarded as a school of impeccable academic repute, both within Pakistan and internationally. It has a rich inter-disciplinary faculty spanning disciplines like economics, law, political science, anthropology, sociology and history, with an established track record of excellence in research, including collaborative research networks with reputed international research institutions.

Several faculty members are already assisting policymakers through insights from applied policy research. They are providing advisory services to the federal and provincial governments, serving on government taskforces, the Law and Justice Commission, bilateral and multilateral donors and foreign governments. Faculty members at SHSSL currently serve on advisory councils for both the Prime Minister of Pakistan and the Chief Minister of Punjab, as well as government task forces, commissions and boards for NGOs and industry. Many faculty members also interact with the media.

The DPRC will provide a platform to channel this expertise towards sustained, thematic research work and contribute to evidence based policy making and public discussion. The research will be disseminated among policymakers, politicians, the private sector and the academia. The mode of dissemination will be journal articles, books, specialised reports, seminars and workshops. Pakistan's vibrant media will be engaged via op-eds and focused television programmes. Importantly, research carried out at the centre will provide material for the school's teaching programmes, thus incorporating current policy issues into classroom teaching.

The research programme of DPRC will focus on the following research themes:

- Accountability, institutional capability and governance
- Culture, heritage and policy: cultural studies as applied science
- Democracy, social movements and civil society
- Environment and natural resources
- Poverty and welfare: incidence, causes and remedies in Pakistan, South Asia and globally
- Prosperity and social justice: determinants and sustainability
- Regionalism and globalisation

PROGRAMME OF FELLOWS

- DPRC will have a strong network of Fellows (Senior Fellows and Associate Fellows) who have a strong track-record of applied multidisciplinary research and policy advice and are currently based in Pakistan and abroad.
- A programme is being developed for associating development practitioners with the centre to benefit from their experience while designing an agenda for multidisciplinary research output.
- The centre is developing a network for collaborative research with several research centres specialising in applied research and based in Pakistan and abroad. Such networks will facilitate collaboration in data-sharing, analysis and quality control through peer reviewing arrangements.
- The centre will also have a programme for Junior Fellows, drawn from a pool of students undertaking PhDs at reputed universities. During the field research phase of their PhDs, students will be provided with an anchor and help through the centre.

COLLABORATIVE RESEARCH NETWORKS

- **Harvard University (Kennedy School of Government) and Centre of Economic Research, Pakistan (CERP):**
 - Religious experience and household behaviour - *Professor Asim Khawaja (Harvard, CERP), Farooq Naseer (LUMS)*
 - Impact evaluation of Punjab's skills for the poor programme - *Asim Khawaja (Harvard, CERP), Farooq Naseer (LUMS) and Ali Cheema (LUMS)*
 - Decentralisation and Local Government - *Asim Khawaja (Harvard, CERP), Adnan Qadir (London School of Economics), Roger Myerson (University of Chicago) and Ali Cheema (LUMS)*

- **School of Public Health, Harvard University**
 - Water and disputes - *Professor John Briscoe (Harvard)*
- **Pomona College, CERP and World Bank DEC**
 - Impact of 2005 earthquake on the recovery of learning among children - *Professor Tahir Andrabi (POMONA, CERP), Dr Jishnu Das (World Bank) and Ali Cheema (LUMS)*
- **Carlton University, Ottawa, Canada**
 - Macro-economics and investment - *Professor Ehsan Choudhri (Carlton) and Antonio Marasco (LUMS)*
- **Southern Illinois University, USA and City University, London, UK**
 - Optimal Taxation - *Professor Sajjal Lahiri (Southern Illinois), Professor Saqib Jaffery (City University) and Anjum Nasim (LUMS)*
- **Karachi Collective for Social Science Research (CSSR)**
 - Extent and consequences of incumbency in Pakistan's Elections; Social Protection - CSSR, *Ali Cheema (LUMS)* and *Farooq Naseer (LUMS)*
- **Lahore School of Economics**
 - Developing several programmes of joint policy research
- **World Bank, South Region**
 - South Asia growth retrospective - *Chief Economist, South Region (World Bank) and Ijaz Nabi (LUMS)*
- **University of Birmingham**
 - Programme of Religion and Politics at the International Centre for Law and Development, New York
- **London School of Economics**
 - Working on a collaborative project with the International Growth Centre (IGC)

INTEGRATING RESEARCH WITH THE TAUGHT CURRICULUM

DPRC is envisaged as an integral part of SHSSL's overall programme of knowledge creation and dissemination. Research carried out at the centre will be integrated with classroom learning.

- Exceptional BSc (Honours) seniors majoring in SHSSL disciplines will have the opportunity to undertake a year-long eight unit thesis.
- Project supervised by faculty affiliated with the centre. This research will be peer reviewed and published by the centre.
- MSc Economics thesis will also be supervised by centre-affiliated faculty and exceptional research will be published.
- BSc (Honours) seniors and MSc Economics research students will be given the status of centre RAs during their research period.
- Centre publications will be disseminated to SHSSL students through the taught curriculum and to policymakers, private sector and civil society organisations through specialised executive teaching.

EVENTS

- **Lectures on Jinnah by South Asian historian, Dr. Ayesha Jalal**

The Department of Humanities and Social Sciences and DPRC organised two lectures on April 28 and April 30, 2010 by Dr. Ayesha Jalal on 'Jinnah's Contemporary Relevance' and 'Jinnah's Case for Pakistan'. The event was part of the 'Culture and Policy' theme of the DPRC.
- **'Outside the grid of secularism: Alternative readings of the present in India' by Nivedita Menon**

DPRC hosted a presentation by Nivedita Menon titled "Outside the Grid of Secularism: Alternative Readings of the present in India". The event was held on the April 15, 2010. The event was part of the 'Environment and Natural Resources' research theme of the DPRC.

- **'From Boom to Bust and Back Again? Economic Growth in Pakistan (1951-2009)' by Dr. Matthew McCartney**

DPRC hosted a presentation by Dr. Matthew McCartney from the School of Oriental and African Studies (SOAS), titled 'From Boom to Bust and Back Again? Economic Growth in Pakistan 1951 to 2009'. The event was held on the April 9, 2010 and was part of the 'Prosperity and Social Justice' research theme of the DPRC.

- **Lecture on the 'Normative Foundations of Scarcity' by Dr. Asad Zaman**

The centre hosted a presentation titled "Normative Foundations of Scarcity" by Dr. Asad Zaman on April 8, 2010. The event was part of the activities of the 'Prosperity and Social Justice' research theme of the DPRC.

- **Aftermath of the NRO: A discussion**

The Department of Law and Policy, the Law and Politics Society and the DPRC held a discussion titled 'Aftermath of the NRO', on March 3, 2010. The discussion featured noted human rights activist and legal expert Asma Jahangir; Mr. Arif Nizami, former editor of The Nation; the esteemed analyst Dr. Muhammad Waseem from SHSSL's political science faculty and Mr. Salman Raja, Advocate of the Supreme Court. The discussion was part of the 'Accountability, Institutions and Governance' theme of the DPRC.

- **Talk on Rule of Law**

The Department of Law and Policy and the DPRC held a talk by Mr. Erick Jensen on "The Rule of Law in Pakistan: A Perspective on Reform Efforts and Future Directions" on February 22, 2010. The event was part of the 'Accountability, Institutions and Governance' theme of the DPRC.

- **Development Challenges in Afghanistan in the New Decade**

DPRC hosted a presentation on 'Development Challenges in Afghanistan in the New Decade' by Mark Ward on December 22, 2009. Mark Ward is the Special Advisor on Development to the Special Representative of the Secretary General for the United Nations Assistance Mission in Afghanistan (UNAMA). The presentation was attended by faculty and students of SHSSL, Dr. Ahmad Jan Durrani, Vice-Chancellor, LUMS and Dr. Anjum Nasim, Provost, LUMS. The event was part of the 'Regionalism and Globalisation' theme of the DPRC.

- **Lecture on the Role of Teachers in Pupil Achievement**

The centre hosted a presentation titled "What can Teachers do to Raise Pupil Achievement?" by Monazza Aslam on September 18, 2009. The presentation was attended by students, faculty and Dean, SHSSL.

- **Lecture on 'Water Security in South Asia'**

DPRC hosted a lecture by Professor John Briscoe on 'Water Security in South Asia' on December 10, 2009. Professor Briscoe holds a joint appointment at Harvard University as the Gordon McKay Professor of the Practice of Environmental Health in the School of Public Health (SPH) and as Professor of the Practice of Environmental Engineering in the School of Engineering and Applied Sciences (SEAS). The event was part of the 'Environment and Natural Resources' theme of the DPRC.

CONFERENCES, SEMINARS AND WORKSHOPS

- DPRC, Newsweek Pakistan and the United States Institute for Peace hosted a seminar titled 'Afghanistan: Endgame' to discuss Pakistan's options in the wake of the current situation in Afghanistan on April 23, 2010. The event was a gathering of prominent policymakers from the region who shared ideas on how to best address the volatile quagmire this part of the world is facing.
- The centre hosted a workshop titled 'Interrogating Law' on legal experiences in the region to address poverty on April 16, 2010. The workshop was part of an ongoing effort to bring scholars from India and Pakistan together, to address issues of poverty alleviation and legal reforms through informed policy debate.

RAUSING EXECUTIVE DEVELOPMENT CENTRE



HIGH IMPACT LEARNING

The Raising Executive Development Centre (REDC) aims to deliver high impact learning and trigger a change in the way executives approach business decisions. Our programmes are designed to challenge executives to confront existing rigid mindsets and preconceived notions of managing their portfolios. The FY 2009-10 proved to be a year where REDC confronted its own recessionary challenges by cultivating its industry linkages to form some memorable partnerships with leading organisations in the country.

REDC's Open Enrollment Portfolio (OEP) ran 29 programmes in varying management disciplines. The centre's flagship, Management Development Programme (MDP) attracted participation from the senior management of a diverse mix of industry sectors. Top level executives from leading MNCs, FMCGs, financial institutions, international audit firms, pharmaceuticals, telecommunication companies, fertilizer manufacturers, software houses and heavy engineering, among others constituted the participants of MDP 2009. MDP 2009 received excellent ratings from the participants and continued to build on its premium and unique reputation. Also, repeat offerings of 4 open enrollment programmes were carried out due to popular demand and enrollment pressure.

Sustaining quality standard demands innovation in programme design and content. Our learning and innovation department works around the year to ensure that our programmes remain current on the latest developments in tools, technology and teaching material. 3 new simulations were researched and introduced in our regular programmes. The new REDC website was launched which contributed to our increased connectivity with our customer base.

CULTIVATING LEADERSHIP THROUGH LONG DURATION PARTNERSHIP PROGRAMMES

With the changing competitive environment and savvy players entering the scene, the market leaders from different industries decided to focus on factors that could help them maintain a competitive edge. In that stead, the world's leading company in Food and Beverages realised that the scale of its operations required initiative and ownership of company performance at all levels in the organisation, independent of hierarchy. In August 2009, this multinational organisation approached REDC-LUMS for a customised leadership programme to address the challenges faced at the middle and senior management levels. Keeping in mind challenges faced due to rapid growth, the client company had conducted a workshop for its top team at the London Business School. The programme at LUMS was developed keeping in mind the learning of the top team and the challenges faced by the target group, aiming at an understanding of self leadership style and alignment with the leadership framework at the organisation.

Earlier in the year, Ufone had signed a Memorandum of Understanding with LUMS for an executive development programme for 160 employees covering diverse areas of management sciences. The launch of the partnership started with the first programme in December and the last delivered in March/April.

In November, LUMS also offered a custom programme "Managing in Turbulent Times" for a prominent telecom player. The programme focused on the client's need to develop a comprehensive understanding of the organisation's current strategic position, how its position is evolving and how the company can innovate its strategy and operations, according to the shifting landscape.

NEW MARKETS, NEW LANDMARKS

Building on our popularity in Karachi and Islamabad, the programme offerings in these new markets were increased. Replicating the REDC experience at off-campus programmes has always been a challenge. It can only be made possible with aggressive marketing, meticulous management of operation delivery, as well as superb teaching and programme direction. Excellent evaluations of these programmes mark the success of these initiatives. REDC plans to extend its off-campus portfolio of open enrollment and customised programmes to reach new and interesting markets.

A high profile customised programme in the area of public sector legislative oversight was provided for the Public Accounts Committees (PAC) operating in the national and the provincial assemblies. A group of 20 PAC members were part of this learning experience, which focused on public sector accounting, controls, audit and governance. The programme was very well received and since then has been defined as a landmark for all stakeholders.

REDC's unique programme for the education industry, Programme on Case Method of Teaching has allowed the centre to serve as a common ground for interaction, deliberation and knowledge sharing for faculty members from various educational institutions across the country.

SPEAKERS OF DISTINCTIONS AT REDC

Some of the guest speakers who deliver talks in our programmes are as follow:

Rashid Khan – Chief Executive Officer, Mobilink (PMCL)
 Ian James Donald – Chief Executive Officer, Nestle Pakistan
 Adil Salahuddin – Treasury Head, Standard Chartered Bank
 A.R. Dawood – Chairman, Descon Engineering
 Omar Saeed – Chief Operating Officer, Service Sales Corporation
 Tahira Hassan – Former Senior Vice President, Nestle SA

HIGHLIGHTS

- Partnerships programmes with industry leaders, Nestle, Ufone and Nokia Siemens
- Organisation focused programmes with Engro Foods, IBA Sukkhrur
- Public sector programmes for Gilgit Baltistan Secretariat and Public Accounts Committee
- Total number of programmes offered was 50
- Total number of participants was 1277
- Increase in annual revenue by 36.9%
- Increase in number of participants by 46%
- Increase in number of programmes (both OFP +OEP) by 28.2%
- Increase in enrollment was 8% for OEPs and 181% for OFPs
- Number of TNCS events that took place were 157
- Number of TNCS days were 440
- Number of TNCS delegates were 2739

TESTIMONIALS

*“The programme enabled me to step out of my role and take a very objective view of the challenges and opportunities faced by our business.” – **Sadia Khurram, Mobilink PMCL***

*“This programme can even push a ship for leadership. If there are born leaders, they can be born at REDC.” – **Faisal Nadeem, Nestle***

*“Big thumbs up for LUMS faculty for putting this together. Very insightful in determining our (grand) corporate direction.” – **Henkel, Saudi Arabia***

CLIENT LIST

AES Lal Pir
 Atlas Bank (Pvt) Ltd.
 Atlas Group of Companies
 Aventis Pharma Ltd.
 Descon Engineering (Pvt) Ltd.
 Engro Chemicals Limited
 Engro Foods
 Federal Board of Revenue
 Getz Pharma
 Gilgit Baltistan Secretariat
 GlaxoSmithKline
 Habib Bank Limited
 Henkel Saudi Arabia
 Muslim Commercial Bank
 Ministry of Information Technology
 National Development Complex (NDC)
 Nestle Pakistan Ltd.
 Nokia Siemens Network
 Oil & Gas Development Company Ltd (OGDCL)
 Pak Telecommunications Mobile Limited (PTML – Ufone)
 Pak Mobile Communications Limited (PMCL – Mobilink GSM)
 Pakistan Nuclear Regulatory Authority (PNRA)
 Pakistan Petroleum Limited
 Public Accounts Committees (DAI – USAID)
 Savola Food Sector, Saudi Arabia
 Shell Pakistan
 State Bank of Pakistan
 Telenor Pakistan Limited
 Teradata Global Consulting Group
 Tetra Pak (Pakistan) Ltd.
 Unilever (Pvt) Ltd.

SOCIAL ENTERPRISE DEVELOPMENT CENTRE

SEDC was launched in response to the phenomenal growth in the number of NGOs in Pakistan, over the past two decades. This increase has led to the need for improvement in the management skills and organisational structures of the hundreds of NGOs and community based organisations active in the country. The government's decision to restructure local government organisations also necessitates the need for district social service officers to be trained in modern management systems and procedures. To meet these challenges, organisations must continually develop their managerial talent.



SPONSORED PROJECTS

HEALTH ENTERPRISE LEADERSHIP-DEVELOPMENT PROGRAMME (HELP)

Funded by: The David & Lucile Packard Foundation, USA

Budgeted Amount: US\$ 499,988/- only

Proposed Duration of Project: Two years

- 12 cases are being written for renowned organisations working in the health sector like Shirkat Gah, Fatima Memorial Hospital, Rozan, World Population Foundation (WPF) and National Rural Support Programme (NRSP), among others.
- 2 Networking Conferences have been held wherein the key stakeholders of health sector such as Rahnuma-Family Planning Association of Pakistan, Family Health International, Health and Nutrition Development Society (HANDS), National AIDS Control Programme, Society for the Advancement of Community, Health, Education and Training (SACHET), Pakistan Voluntary

Health and Nutrition Association (PAVHNA), Fatima Memorial Hospital, Shirkat Gah, PEHCHAN, National Rural Support Programme and Marie Stopes Society participated.

- 500 copies of the publication of these RH related cases will be published in August 2010.
- 4 faculty consultancies to health sector organisations will be provided in 2010
- 2 executive level and 4 management level trainings will be conducted in 2010, wherein 210 individuals from the health sector will be trained.

TITLE	NO. OF TRAININGS	TIME	NO. OF PARTICIPANTS
▶ <i>Leadership Development Training for Executives (LDTE)</i>	2	May, June 2010 (for 10 days) - 5 days each	30
▶ <i>Leadership Development Training for Management (LDTM)</i>	4	June, July, August 2010 (for 40 days) - 10 days each	180

MANAGEMENT DEVELOPMENT TRAINING PROGRAMME FOR MICROFINANCE INSTITUTIONS

Funded by: Citi Foundation, USA

Budgeted Amount: US\$ 68,000/- only

Proposed Duration of Project: One year

- A round table conference for information sharing and dissemination will be held on February 19, 2010. Stakeholders of the microfinance sector such as Pakistan Microfinance Network (PMN), DFID, Khushali Bank Ltd., State Bank of Pakistan, Asasah, Kashf Foundation, National Rural Support Programme, Tarqee Foundation, Zarai Taraqiati Bank, Buksh Foundation, Akhuwat Foundation and Tameer Bank, among others, are expected to participate.

- Two trainings titled, "Management Development Training for Executives (MDTE)" and "The Management Development Training for Managers (MDTM)" for the microfinance sector will be conducted in July and August 2010.

TITLE	NO. OF TRAININGS	TIME	NO. OF PARTICIPANTS
▶ <i>Leadership Development Training Programme for Managers</i>	1	July 2010 (For 6 days)	30
▶ <i>Leadership Development Training Programme for Executives</i>	1	August 2010 (For 6 days)	30

TRAININGS

DESCRIPTION	Jan – Dec 2009
Open Enrolment Training Programmes (OEP)	5
Customised Training Programmes (CTP)	4
Total number of Participants (OEP+CTP)	110 + 85 = 195
Number of Training Days (OEP+CTP)	17 + 26 = 43

NUMBER OF PROGRAMMES

PROGRAMMES THAT DID NOT MATERIALISE	4
Open Enrolment Programmes	2
Monitoring, Evaluation and Learning System (MEALS)	
Disaster Management Training Programme	
Customised Training Programmes	2
EDLINKS	
FATA	
PROGRAMMES IN PROGRESS	8
Open Enrolment Programmes	4
Monitoring, Evaluation And Learning System (MEALS)	
Community Development Practices	
Social Enterprise Leadership Programme	
Persuasive Social Advocacy & Communication	
Customised Training Programmes	4
Pakistan Poverty Alleviation Fund (PPAF)	

NUMBER OF PROGRAMMES

PROGRAMMES CONDUCTED	9
Open Enrolment Programmes	5
Budgetary Functions & Project Based Accounting for Social Enterprises	
Population Leadership Programme (PLP)	
Community Development Practices (CDP)	
Monitoring, Evaluation And Learning Systems (MEALS)	
Disaster Management Training Programme (DMTP)	
Customised Training Programmes	4
Marie Adelaide Leprosy Centre	
Church World Services (CWS)	
Plan International – Pakistan	
Earthquake Reconstruction and Rehabilitation Authority (ERRA)	

IT – GIS / DMS

- Work on Punjab Union Council (UC) boundaries completed (<http://sela.lums.edu.pk/cdsp>)
- Work on GIS Maps completed
- Documentation: Requirement Specification (RS) of Portal
- Portal News Upload, New Members Registration
- GIS Database Upgradation (UC Level for Punjab)
- The test version of UC level CDSP (CIDA Devolution Support Project) data in collaboration with PHSRP (Punjab Health Sector Reform Programme, Government of the Punjab) has been uploaded into the GIS system. CDSP and PHSRP's data contain all BHUs (Basic Health Units), RHCs (Rural Health Centres), Tehsil HQ & District HQs with full demographic information for all the facilities for Punjab province.

NEW INITIATIVES

MONITORING, EVALUATION AND LEARNING SYSTEM (MEALS) DIPLOMA LEVEL TEACHING EVALUATION IN SOUTH ASIA (TESA)

The purpose of TESA is

- To strengthen competencies and skills around evaluation in the context of development programming in South Asia
- To develop a culture of innovation, experimentation and research in academic institutions in support of excellence in development programming and policy development

The process of implementation will consist of a number of main steps listed below:

- Setting up administrative arrangements in academic institutions
- Setting up project management facility
- Establishing a resource pool for curriculum development
- Curriculum development
- Training faculty members
- Student enrolment for the diploma
- Networking and coordination



CORPORATE SOCIAL RESPONSIBILITY

For the first time at LUMS, SEDC initiated the launch of a programme in the area of Corporate Social Responsibility (CSR). SEDC plans to begin a Corporate Social Responsibility-Leadership Development Network (CSR-LDN) Programme that shall progressively educate on the importance of CSR in the current global milieu. The programme also aims to explain the modalities of taking up a CSR agenda to corporate organisations.

SEDC expects the initiative will have a tremendous impact on the sustainable development of Pakistan. Currently similar efforts are underway by agencies such as the Pakistan Centre for Philanthropy to pair social and business entities. However these restrict the concept of investing in development as a goodwill gesture. Through this programme, SEDC will also initiate teacher and student exchange programmes which will ultimately enhance the capacity of SDSB and LUMS. This activity will enable the development of specialised human resources in the field of CSR and will help to launch specialised training programmes in this field.

FORMATION OF SOCIAL ENTERPRISE EVALUATION NETWORK (SEEN)

The Social Enterprise Evaluation Network (SEEN) is a recent initiative of the SEDC for social evaluators to stay in touch with other evaluators in order to interact and share opportunities for consultancy, trainings and seminars. SEEN is a professional network for evaluators to engage in mutually beneficial relationships regionally, nationally and internationally. SEEN will act as a platform for these evaluators to:

- Interact on current issues and practices with respect to evaluation
- Share opportunities about current or upcoming trainings, workshops, conferences and seminars
- Share and discuss the latest tools and techniques with each other and the SEDC Evaluation Team, to enhance understanding and to strengthen the concept of learning/utilisation of evaluations
- Share consultancy opportunities within the network to work jointly with SEDC or individually to enhance joint learning ventures and to discover new learning opportunities

FUTURE PROJECTS / PROSPECTS

NEW PROJECTS PROPOSALS/CONCEPTS IN PIPELINE

- 1- Maternal Health and Newborn Health Programme**
Submitted to Research & Advocacy Fund (RAF) British Council, UK for GBP 218,000 (for two years)
- 2- Online Collaborative Reproductive Health Geographic Information System (RH-GIS)**
Submitted to Packard- Organisational effectiveness (OE) for US\$ 48,000 (for one year)
- 3- Monitoring & Evaluation**
Submitted to UNICEF - ROSA and IDRC for US\$ 35,000 (for one year)

FUTURE PROSPECTS

- 1- Microfinance, Small and Growing Business, Education, Financial Education and Asset Building**
Submitted to Citi Foundation, USA
- 2- Corporate Social Responsibility (CSR)**
Submitted to Citi Foundation, USA
- 3- Microfinance Management and Applications Management of MFIs, MFBs and Bankers**
Submitted to DFID / State Bank of Pakistan

SEDC REPORT (JAN – DEC 2009)

PROJECTS / PROGRAMMES	JAN-JUN 09		JUL- DEC 09		JAN- DEC 09 (TOTAL)	
	BUDGETED REVENUE (PKR)	ACTUAL REVENUE (PKR)	BUDGETED REVENUE (PKR)	ACTUAL REVENUE (PKR)	BUDGETED REVENUE (PKR)	ACTUAL REVENUE (PKR)
▶ Packard Health Project	20,028,126	20,028,126	21,270,664	21,270,664	41,298,790	41,298,790
▶ Citi Microfinance Project			5,630,400	5,630,400	5,630,400	5,630,400
▶ Open Enrolment/ Customised Training Programmes	5,400,000	5,922,191	4,830,000	5,032,600	10,230,000	10,954,791
TOTAL	25,428,126	25,950,317	31,731,064	31,933,664	57,159,190	57,883,981

STRATEGIC SECTORS RESEARCH CENTRE

Strategic Sectors Research Centre (SSRC) is a new initiative in institutionalising research and knowledge generation at the Suleman Dawood School of Business (SDSB). This centre is expected to generate scholarship in strategic sectors including development (education management, health management and entrepreneurship) and economic sectors (energy and water management, agribusiness, textiles, food and pharmaceuticals, banking and sports goods). SSRC is also expected to boost research and its dissemination by SDSB. SSRC has engaged industry specialists and top SDSB faculty for achieving its objectives.

VISION

To become a national, research-based think tank in sectors important to the national economy.

Economic Sectors

Energy
Agribusiness
Textile
Food & Pharmaceuticals

Development Sectors

Education Management
Health Management
Entrepreneurship

MISSION

- To conduct research in specific sectors
- To gain in-depth knowledge in specialised sectors and disseminate knowledge in the form of research articles, policy papers, industry notes, case studies, books, training materials and programmes
- To provide support to REDC and SEDC for training programmes in specialised sectors
- To provide support to REDC and SEDC for sector specific meetings, conferences and workshops

STRATEGY

- Focus on writing grant/project proposals
- Create industry – faculty partnership by bringing together faculty members and respected, knowledgeable industry specialists within each sector
- Generate funds from external agencies such as donors, HEC, USAID, industry associations and industrialists
- Generate funds from internal sources from university, SDSB, REDC and SEDC
- Provide infrastructure for research e.g. Administrator and Research Associates for assistance in writing proposals and conducting research

SECTOR	FACULTY	INDUSTRY SPECIALIST
<ul style="list-style-type: none"> ▶ Energy ▶ Agribusiness ▶ Textile ▶ Food & Pharmaceutical ▶ Banking / Microfinance ▶ Education Management ▶ Health Management 	<p><i>Arif Nazir Butt, Syed Mubashir Ali, Imran Ali</i></p> <p><i>Imran Ali</i></p> <p><i>Arif Iqbal Rana, Jamshed H. Khan, Faheem Ul Islam</i></p> <p><i>Syed Mubashir Ali, Zeeshan Ahmed, Asad Alam, Faheem Ul Islam</i></p> <p><i>Zafar Iqbal Qureshi, Anwar Khurshid, Arif Nazir Butt, Ehsan Ul Haque</i></p> <p><i>Zafar Iqbal Qureshi, Syed Zahoor Hassan, Farzad Rafi Khan, Qinza Najam</i></p> <p><i>Arif Iqbal Rana, Jamal Arif, Asad Alam</i></p> <p><i>Athar Siddiqui, Aamir Khan, Ayesha Bhatti, Shazib E. Shaikh, Kamal Munir</i></p>	<p>Nadeem Babar, Bilal A Khan</p> <p>Shahzad Saleem</p> <p>Tahira Hassan, Faisal Khokhar</p> <p>Mohammad Aurangzeb, Tameer Bank</p> <p>Nayyar Ali, Sohail Naqvi</p>



A gift was received by the Lahore University of Management Sciences (LUMS) from the Gurmani Foundation on April 9, 2010, to establish the Nawab Mushtaq Ahmad Gurmani Centre for Urdu, Arabic and Persian languages at LUMS. The Gurmani Centre is overseen by the School of Social Sciences, Humanities and Law (SHSSL). The Centre has the following aims:

- Instruction in Arabic, Persian and Urdu
- The highest level of research in these languages and their literature
- Various academic literary gatherings for the advancement of these languages
- Research and instruction in Pakistani languages and their literatures
- Introduction, evaluation and comparison with instruction, research and creative work related to Arabic, Persian, Urdu and Pakistani languages worldwide, as well as association with similar centres.

FUTURE PLANS

- Instruction in these languages and their classical and modern literature
- Advanced research projects in these languages and their literature
- Publication of books of standard academic, research, literary or referential importance
- Arrangement of academic and literary events and workshops
- Fellowships for Pakistani and international scholars
- Publication of a regular research journal
- Offering special courses for LUMS students, as well as others
- Addition of books to the LUMS library
- Translation of standard work
- Establishing an academic/creative writing centre for Urdu



STUDENT ACHIEVEMENTS

STUDENT SOCIETIES

An abundance of talent can be found at LUMS. The university believes in cultivating a range of interests, aptitudes and abilities by providing students with the platforms required to showcase their talents through various societies. A society is formed by likeminded individuals having common interests in a particular area. LUMS has more than 50 student run societies covering a diverse variety of interests ranging from the Chess Club to the LUMS Adventure Society.

The student societies' activities in the year 2009-10 were as follow:

ALPHA

- Intra-LUMS Movie Trivia
- RUNG
- Photo Scavenger Hunt

ARTS SOCIETY

- GIKI Art Gala

DEBATES AND RECITATION AT LUMS (DRUMS)

- Political Debates
- Intra-LUMS Debating Competition
- DRUMS Inter-Varsity
- LUMS-Olympiad 2010

DRAMALINE

- DRAMA-FEST
- Skitamasha

LIONS CLUB

- Leader, Social, Entrepreneurship Workshop

LUMS ADVENTURE SOCIETY (LAS)

- Paragliding Trip
- Khan Pur Trip

LUMS DAILY STUDENT (LDS)

- National Journalism Conference 2010

LUMS ENTREPRENEURIAL SOCIETY (LES)

- Entrepreneur Conference
- Play It - Gaming Session
- YLES Summit 2010
- Tour SEP

LUMS LAW & POLITICS SOCIETY (LPS)

- Lecture by Imran Khan

LUMS MEDIA ARTS SOCIETY (LMA)

- FiLUMS 2010
- LUMS-Olympiad 2010
- FILM Realm 2010

LUMS MODEL UNITED NATIONS SOCIETY (LUMUN)

- Intra-LUMUN
- LUMUN Conference 2009

SPORTS AT LUMS (SLUMS)

- Inter-Varsity Championship
- Football Championship
- Tri-series

SOCIETY FOR PROMOTION AND DEVELOPMENT OF ENGINEERING SCIENCES (SPADES)

- ENIGMA
- Psi-Fi 2010

RANDOM WALK ECONOMICS SOCIETY (RWES)

- Economics Competition

PARTICIPATION IN INTERNATIONAL EVENTS

SOCIETY	EVENT	DATE
▶ Culture	Trip to Malaysia and Sri Lanka	April 20-28, 2010
▶ Culture	Trip to Malaysia and Turkey	December 25, 2009 - January 15, 2010
▶ LDS	Hong Kong Media Conference	April 25-28, 2010
▶ LMA	RIFF Awards	April 8-16, 2010
▶ LUMUN	Eurasia MUN Conference	May 12-16, 2010
▶ LUMUN	MUNTR	March 9-16, 2010
▶ LUMUN	World MUN, 2010	March 14-19, 2010

SDSB MBA CLUBS AND SOCIETIES

NAME	PATRON	EVENT
▶ MBA Marketing Executive Club	Mr. Jamal Arif	LUMS Marketing Colloquium LUMS Business Consortia
▶ MBA Finance Executive Club	Dr. Ali Khalil Malik	LUMS Business Consortia
▶ MBA Supply Chain Management	Dr. Arif Rana	
▶ MBA Leadership Society	Dr. Arif Butt	Khanpur Interpersonal/Leadership Trip
▶ MBA HR Executive Club	Mr. Rizwan Sheikh	LUMS HR Confluence
▶ MBA Entrepreneurship Executive Club	Dr. Zahoor Hassan	Speaker Session Conducted: Owner of Gourmet Bakers (Starting and Growing a Business)
▶ MBA Global Management Executive Club	Dr. Jamshed Khan	Synergies
▶ LUMS Business Review	Dr. Imran Ali	
▶ MBA Toastmaster Club	Mr. Jamal Arif	
▶ MBA Sports Society		MBA Sports Dangal
▶ LUMS Investment Management Association	Dr. Ali Khalil Malik	





STUDENT MEDALS



MEDALS 2009



MBA PROGRAMME

Student Name	Medal/Award
Syed Johar Gillani	Gold Medalist & Dean's Honour List
Zunaira Malik	Silver Medalist & Dean's Honour List
Syeda Sana Kazmi	Dean's Honour List
Umair Luqman	Dean's Honour List
Syed Waqas Ali	Dean's Honour List
Aamna Ajmal	Dean's Honour List
Shoaib Siddiqui	Dean's Honour List
Asif Rafiq	Dean's Honour List
Muhammad Tahir Ghafoor	Dean's Honour List
Azhaar Hussain	Dean's Honour List
Ahmed Raza	Dean's Honour List
Sumaira Ashfaque Khan	Dean's Honour List

SPONSORED MEDAL RECIPIENTS

- Askari Bank Medal for the "Commercial Banking" course - Zafar Ahmed Qureshi
- Nestle Medal for the "Marketing Management" course - Syed Johar Gillani
- Standard Chartered Bank Medal for the "Financial Management" course - Muhammad Mohtashim Jangda
- Aftab Associates Medal for the "Consumer Behaviour and Market Research" course - Syeda Sana Kazmi
- Kamera Kraft Medal for the "Managerial Communication" course - Fazal Ashfaq
- Al-Khair Group Medal for the "Business Development and Strategy" course - Muhammad Tahir Ghafoor
- HUM TV Medal for the "Advertising and Promotions Management" course - Syed Johar Gillani
- Citibank Medal for the "Financial Derivatives" course - Muhammad Ali Khan
- Crescent Group Medal for the "Operations Management" course - Umair Luqman
- Cress Bank Medal for the "Investments" course - Muhammad Jehanzeb Zubair

EMBA PROGRAMME

Student Name	Medal/Award
Moetesum Khurshid	Gold Medalist & Dean's Honour List
Rizwan Aziez	Silver Medalist & Dean's Honour List

MS COMPUTER SCIENCE PROGRAMME

Student Name	Medal/Award
Hassan Ali	Gold Medalist
Mouna Abdul Haye Shuja	Silver Medalist
Taimur Ahmed Qureshi	Dean's Honour List
Farhan Afzal Raja	Dean's Honour List
Khurrum Aftab	Dean's Honour List
Nosheen Haider Malik	Dean's Honour List

MS COMPUTER ENGINEERING PROGRAMME

Student Name	Medal/Award
Shahrukh Athar	Silver Medal for attaining highest CGPA amongst the graduating batch

MSc ECONOMICS PROGRAMME

Student Name	Medal/Award
Kiran Naseer	Gold Medalist
Sana Majeed	Silver Medalist
Sobia Malik	Dean's Honour List
Sara Rasheed Chaudhry	Dean's Honour List

SZH MEDAL FOR BEST NOP SCHOLAR

Student Name	Medal/Award
Asim Jahangir	Dean's Honour List

BSc (HONOURS) PROGRAMME

Student Name	Medal/Award
Maleeha Rizwan	Gold Medal (Tied) Overall First Position
Syeda ShahBano Ijaz	Gold Medal (Tied) Overall First Position Gold Medal (Tied) Best Student Economics



Hassan Mazhar Goreja	Dean's Honour List
Husnain Fateh Ahmad	Gold Medal (Tied) Best Student Economics
Taimoor Shahid	Gold Medal Best Student Computer Science Gold Medal Best Student Social Sciences
Aeyaz Jamil Kayani	Dean's Honour List
Muhammad Bilal Ahmed	Dean's Honour List
Moiz Hasan	Dean's Honour List
Hira Manzoor	Gold Medal Best Student Mathematics
Waqar Ali Malik	Gold Medal Best Student Accounting & Finance
Kanwal Sarfraz	Dean's Honour List
Fatima Mustafa	Dean's Honour List
Ushna Khan Lodhi	Dean's Honour List
Kiran Javaid	Dean's Honour List
Lalarukh Wajahat Malik	Dean's Honour List
Usman Elahi	Dean's Honour List
Muhammad Nabi Malik	Dean's Honour List
Amir Ali Abdullah	Dean's Honour List
Muhammad Imran Chaudhry	Dean's Honour List
Rabia Malik	Dean's Honour List
Fahad Rahman	Dean's Honour List
Farzeen Riaz	Dean's Honour List
Eraj Gul	Dean's Honour List
Sairah Yusuf	Dean's Honour List
Amal Aslam	Dean's Honour List
Mysbah Majyd Balagamwala	Dean's Honour List
Javaria Rana	Dean's Honour List
Sania Waqar Gul	Dean's Honour List
Ali Zeeshan Mirza	Dean's Honour List
Mahira Khawar	Dean's Honour List
Muhammad Mobeen Ajmal	Dean's Honour List
Ali Abbas Rizvi	Dean's Honour List
M. Khubaib Zahid Siddiqui	Dean's Honour List
Ameen Aftab G Hussain	Dean's Honour List

Amna Awan	Dean's Honour List
Ambreen Athar	Dean's Honour List
Faraz Abbas Jafri	Dean's Honour List
Adeel Butt	Dean's Honour List
Aisha Iqbal	Dean's Honour List
Anam Shaikh	Dean's Honour List
Mehr Ahmad Toor	Dean's Honour List
Saad Nadeem	Dean's Honour List
Aliza Mahmud	Dean's Honour List
Badar Bin Saqib	Dean's Honour List
Obeid Ur Rehman	Dean's Honour List
Anam Shahrukh	Dean's Honour List
Sidra Haye	Dean's Honour List
Javeria Khalid	Dean's Honour List
Pirzada Mehmood Haider Shah	Dean's Honour List
Taimur Saeed	Dean's Honour List
Abdul Rehman	Dean's Honour List
Adeela Sarfaraz	Dean's Honour List
Aun Ansari	Dean's Honour List
Muhammad Usman	Dean's Honour List

BA-LL.B PROGRAMME

Student Name	Medal/Award
Reema Omer	Gold Medal Best Student BA-LL.B



FINANCIALS



NOTE FROM THE CONTROLLER

The prudent financial discipline and belt-tightening measures introduced in 2008-09 finally started yielding some results as LUMS managed to reduce its operating deficit for the year 2009-10 by approximately 25% as compared to last year. Also, there was a notable reduction of over 40% in the university's routine capital expenditure during the year despite considerable investment in labs and related equipment, acquired for the School of

Science and Engineering (SSE). It is important to highlight that significant reduction in deficit was achieved despite marginal growth in student's body (approximately 6% over 2008-09) and ever increasing financial aid, utilities and campus security costs, yet without compromising the quality and output. Pending release of the grant by the Government of Pakistan/Higher Education Commission against the approved and allocated funding for SSE during the year, the university was bailed out by its parent body, National Management Foundation (NMF) with a grant of PKR 120 million to manage its cash deficit.

During the year, an amount of PKR 186 million was received from various external donors primarily to support the educational needs of the deserving students in the form of financial aid. Out of this, an amount of PKR 104 million was earmarked as "restricted endowment" and has been made part of the endowment pool thereby increasing its size to PKR 255 million as of balance sheet date.

The university achieved another milestone in June 2010 when, after long and continued efforts, it was granted the status of an approved nonprofit institution under the Income Tax Ordinance, by the Federal Board of Revenue (FBR). This status not only entitles the university to claim exemption from customs duty, sales and income tax on the import of educational and research related equipment, but also avoids the incidence of minimum (turnover) tax. Though the university has been operating as a nonprofit entity since its inception, this formal recognition is necessary to bring plausible changes in its general perception and also to magnify the university's credibility in the eyes of donors.

SUSTAINABILITY – THE PRIMARY FOCUS

With the primary focus on financial sustainability, both current and long term, the university carried out an in-depth analysis for identification of real Cost of Instructions for each of its schools, programmes and departments and related data on students' enrolment, credit hours, faculty, academic/research support staff, etc. This exercise, coupled with the budget support data, helped the university to identify and focus its attention towards those segments which were contributing towards the operational deficit. The analysis also suggested the need to prioritise the allocation of funds in certain areas to bring efficiency and effectiveness to the overall operations of the university in financial terms. LUMS now intends to capitalise upon this analysis and to use the resulting findings and indicators, as a basis for the preparation of budgets for the subsequent years.

While the long term financial sustainability of LUMS is dependent upon the existence of a large endowment fund, it has focused its attention in the short term on rationalising the operating costs, increasing the tuition fees to reduce the existing subsidy of the self-paying students, managing the financial aid and enrollment of deserving students in the National Outreach Programme. The compound effect of these measures has helped the university to prepare its budget for the year 2010-11 at a break-even level. After the year 2004-05, it is the first year when the university has been able to prepare and hopefully maintain, a balanced budget in these difficult times, without recourse to its parent body, NMF, for any grant.

SUMMARY OF LAST 3 YEARS FINANCIAL RESULTS

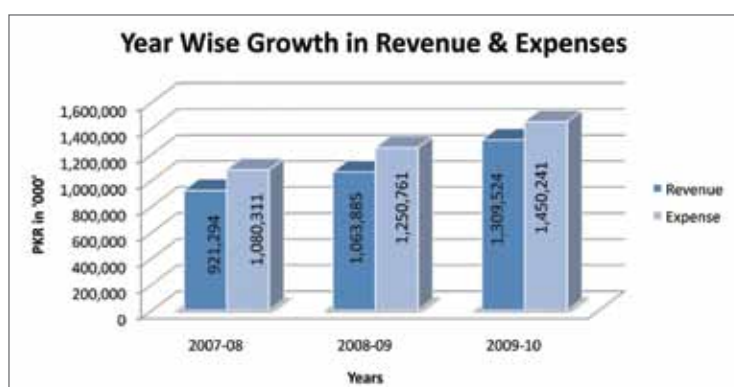
(Rupees in '000')

Years	FY 2007-08	FY 2008-09	FY 2009-10
Sources			
Scholarship Grants	74,000	109,638	77,785
Tuition Fee	516,122	613,880	807,465
Executive Development Programmes	123,166	94,409	129,282
Sponsored Project Revenue	66,739	55,091	71,255
Consultancy Fee	14,299	14,968	12,772
Return on Investment	10,215	24,750	27,594
Cafeteria Income	39,083	46,148	51,064
Other Income	77,670	105,001	132,307
Gross Operating Receipts	921,294	1,063,885	1,309,524
Utilisation			
Salaries & Instructional Support	409,985	570,522	604,196
Advertisements	31,160	20,838	13,052
Supplies & Services	100,323	128,801	143,449
Utilities	46,788	65,757	93,703
Depreciation / Amortization	86,760	129,105	126,652
International & Local Travel	32,239	30,554	28,479
Building Reserve	63,673	-	-
Estate Management	42,764	37,825	37,585
Training, Research & Development	88,239	41,494	71,830
Scholarship & Fee Waivers	135,850	187,566	273,133
Miscellaneous Expenses	42,530	38,299	58,162
Total Costs	1,080,311	1,250,761	1,450,241
Net Surplus / (Deficit)	(159,017)	(186,876)	(140,717)

REVENUE & EXPENDITURE GROWTH

(Rupees in '000')

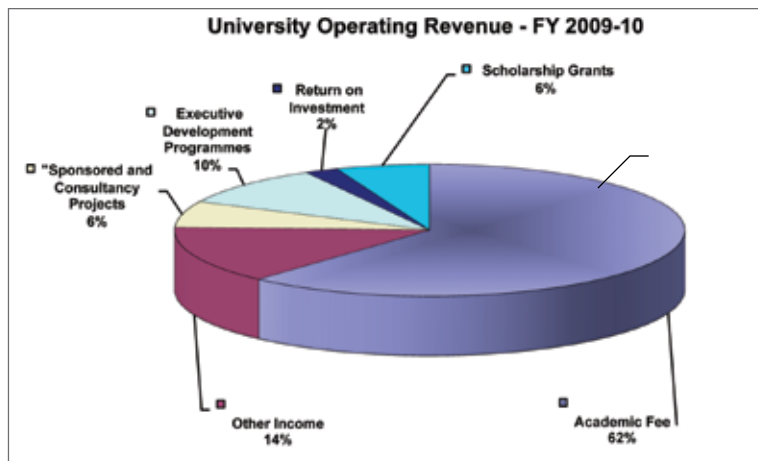
Years	Revenue	Expense
2007-08	921,294	1,080,311
2008-09	1,063,885	1,250,761
2009-10	1,309,524	1,450,241



UNIVERSITY OPERATING REVENUE (FY 2009-10)

(Rupees in '000')

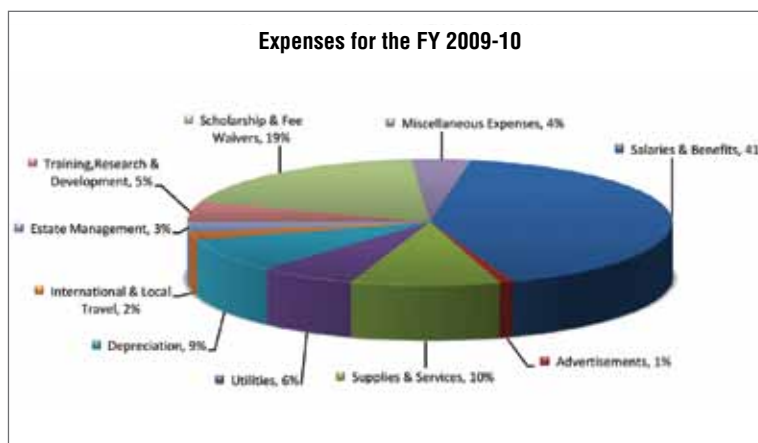
Academic Fee	807,465
Other Income	183,371
Sponsored and Consultancy Projects	84,027
Executive Development Programmes	129,282
Return on Investment	27,594
Scholarship Grants	77,785
Total	1,309,524



UNIVERSITY OPERATING EXPENSES (FY 2009-10)

(Rupees in '000')

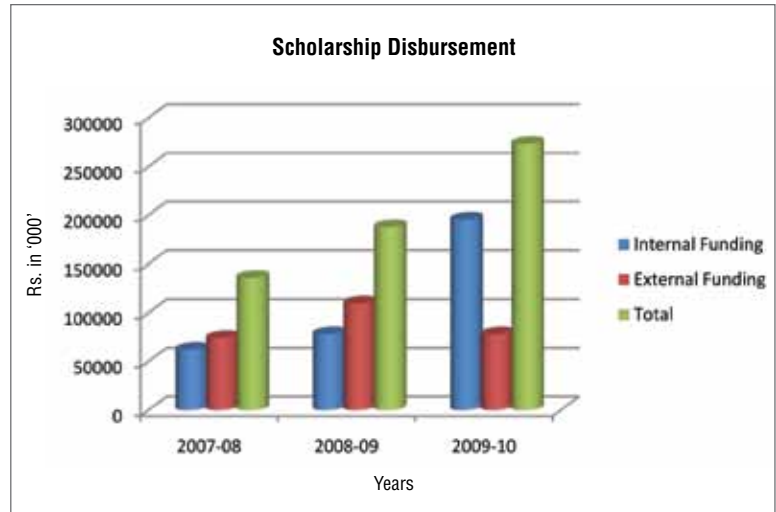
Salaries & Benefits	604,196
Advertisements	13,052
Supplies & Services	143,449
Utilities	93,703
Depreciation	126,652
International & Local Travel	28,479
Estate Management	37,585
Training, Research & Development	71,830
Scholarship & Fee Waivers	273,133
Miscellaneous Expenses	58,162
Total	1,450,241



SCHOLARSHIP DISBURSEMENT

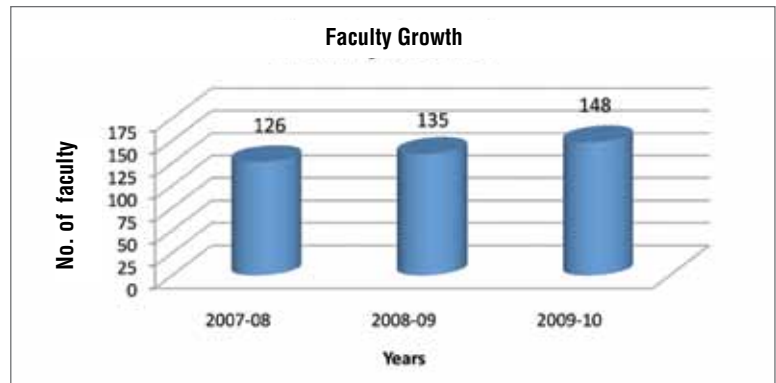
(Rupees in '000')

Years	2007-08	2008-09	2009-10
Internal Funding	61,850	77,928	195,348
External Funding	74,000	109,638	77,785
Total	135,850	187,566	273,133



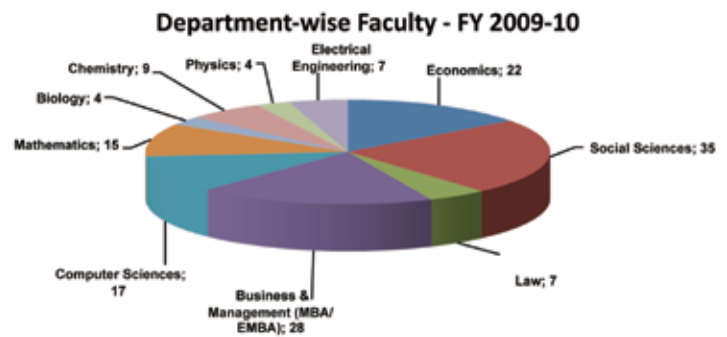
FACULTY NUMBER

Years	No. of Faculty
2007-08	126
2008-09	135
2009-10	148



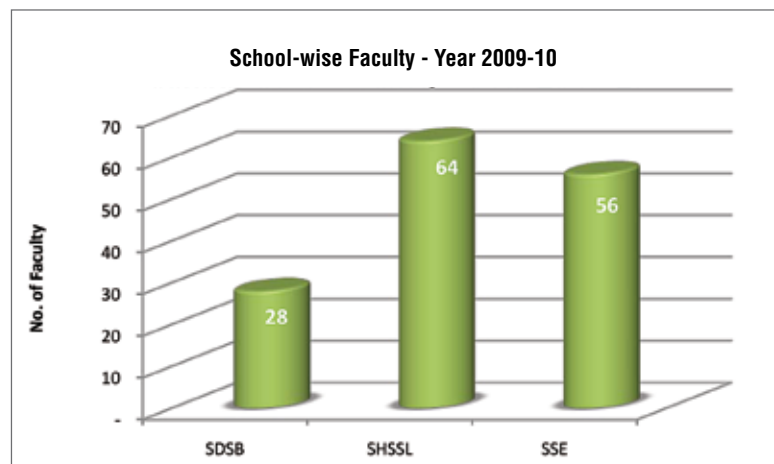
FACULTY DEPARTMENT- WISE (FY 2009-10)

Departments	No. of Faculty
Economics	22
Social Sciences	35
Law	7
Business & Management (MBA/EMBA)	28
Computer Sciences	17
Mathematics	15
Biology	4
Chemistry	9
Physics	4
Electrical Engineering	7
Total	148



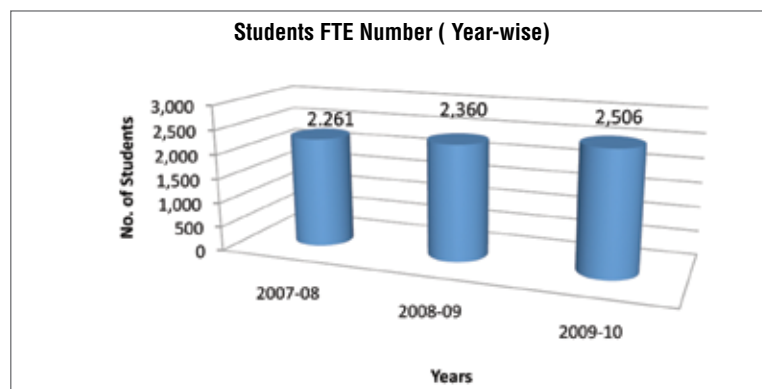
SCHOOL-WISE FACULTY (YEAR 2009-10)

School	No of Faculty
Suleman Dawood School of Business	28
School of Humanities, Social Sciences & Law	64
School of Science and Engineering	56



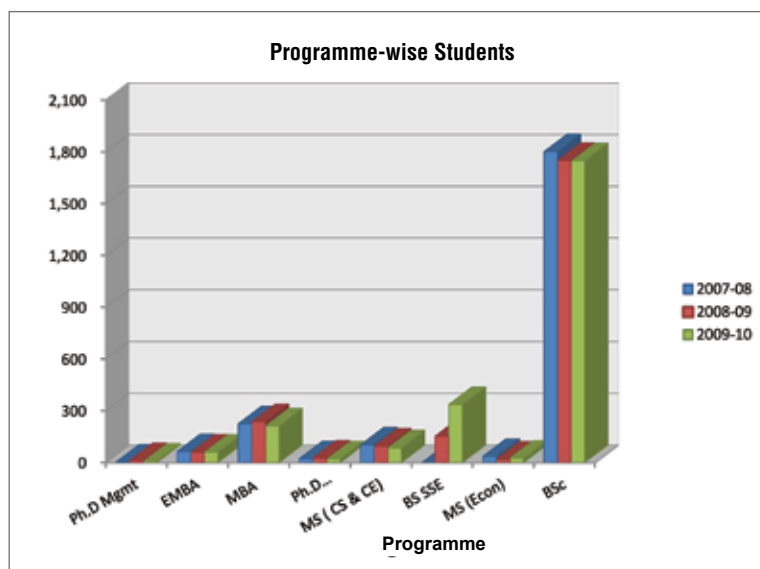
FTE STUDENTS NUMBER (YEAR-WISE)

Years	No. of Students
2007-08	2,261
2008-09	2,360
2009-10	2,506



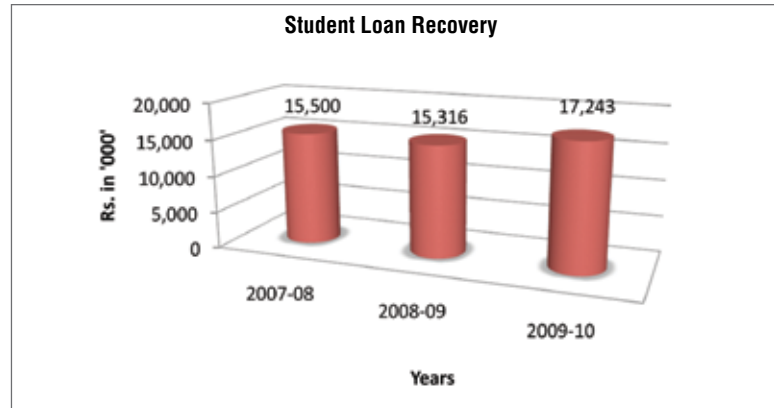
FTE STUDENTS NUMBER (PROGRAMME-WISE)

Programmes	2007-08	2008-09	2009-10
PhD Mgmt	4	12	10
EMBA	65	62	62
MBA	226	237	213
PhD (CS,CE,Maths)	24	27	22
MS (CS & CE)	103	96	86
BS SSE	0	154	337
MS (Econ)	37	21	26
BSc	1,802	1,751	1,750
Total	2261	2360	2506



FINANCIAL AID LOAN RECOVERY

Years	(Rupees in '000')
2007-08	15,500
2008-09	15,316
2009-10	17,243

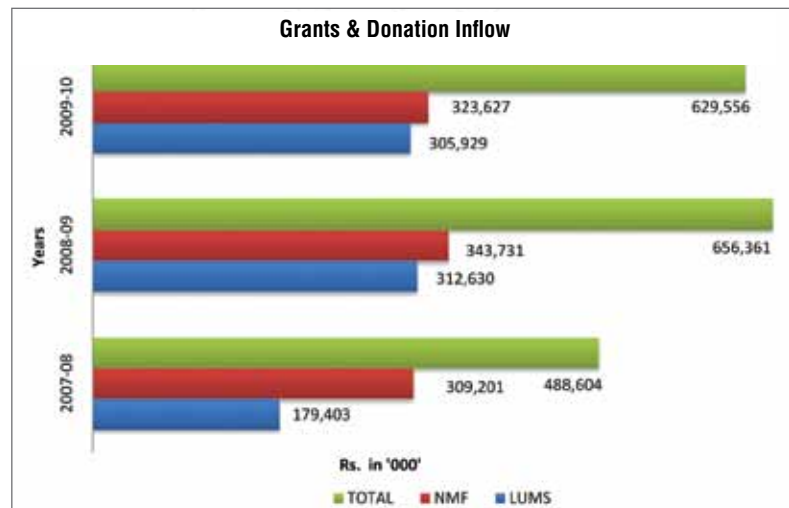


GRANTS & DONATIONS INFLOW

(Rupees in '000')

YEAR	LUMS	NMF	TOTAL
2007-08	179,403	309,201	488,604
2008-09	312,630	343,731	656,361
2009-10	305,929	323,627	629,556
Total	797,962	976,559	1,774,521

In FY 2009-10, LUMS received a grant of PKR 120 million from NMF to meet its operating deficit (2008-9: PKR 150 million)





ADMINISTRATIVE DEPARTMENTS





CAREER SERVICES OFFICE

The mission of the Career Services Office (CSO) is to provide a centralised and comprehensive career platform for all students at the Lahore University of Management Sciences. The Career Services Office empowers students to take control of their own professional development and job search by providing the following tools and services:

- ▶ Career Counseling
- ▶ Job & Internship Listings
- ▶ Career & Educational Fairs
- ▶ On-Campus Recruiting Drives
- ▶ Résumé writing sessions
- ▶ Grooming sessions/ Mock Interviews

CSO helps students prepare for and promote their careers. It also partners with local and national employers to bring a variety of internships and jobs to our highly qualified applicant pool.

The past year was very eventful for the Career Services Office. It started off with the Annual Mega Career Fair which hosted local and international companies and included on the spot recruitment. Several recruitment drives took place throughout the year which included company presentations and question and answer sessions for prospective employees.

This year over 500 undergraduate student internships were arranged by the department. CSO's team approached leading organisations of Pakistan to arrange these work experience opportunities for students. Interviews were organised on-campus and off-campus for shortlisted candidates by employers. 65 Accounting & Finance students completed internships in audit firms such as A. F. Ferguson, Ernst & Young and KPMG to fulfill their graduation requirement.

The employment profile of the class of 2009 provides a diverse employment picture reinforcing the image of LUMS graduates working in all the sectors of domestic and international industry.

In addition to helping students with job placement, the Office also looks after those students who are interested in higher education. The CSO team played an important role in helping students during the application process. This year 11 students were recipients of Fulbright scholarships and several other students went overseas for graduate studies.

A major initiative taken by the Career Services Office was the Continuing Education Programme which aimed to offer opportunities for personal development to the general public. The inaugural event of this programme was held in the fall. Starting from October, the programme attracted 56 participants from across Lahore who enrolled in three different courses of study. These courses included Effective Communication Skills, Politics in the Globalised World, Digital Photography and Advanced Computer Skills. The ten-week long sessions received positive feedback from the participants who appreciated the role LUMS played in providing this creative opportunity.





HUMAN RESOURCE DEPARTMENT, FACILITIES & ENGINEERING DEPARTMENT, GENERAL ADMINISTRATION & SERVICES

HUMAN RESOURCE DEPARTMENT

2009-10 has been very productive for the Human Resource Department (HRD). The recruitment and selection team has adopted the approach of targeting the right resource and reducing the hiring time period. HRD's first target was to concentrate on building the image of LUMS as an employer. Consequently, the department's marketing campaign began with the participation of LUMS in career fairs. The HRD marketing team attended a job fair arranged by Superior University and a career expo in Forman Christian College. The department is also utilising social networks to attract talented individuals. The HRD team has prepared a 'Welcome Binder' which gives newcomers a first-hand orientation. A user manual for PeopleSoft has also been developed, enabling users to modify their personal information. PeopleSoft-Absence Management System is in the pipeline to be implemented soon. The issuance of smart cards and the clearance process are also going to be automated. The HRD training and development team arranged and conducted various training sessions for LUMS staff members. In order to enhance cross departmental coordination, Department Information Sessions were organised. Various events including Employee Breakfast, Family Fun Night, Service Awards and Independence Day were successfully arranged this year. HRD also introduced the International Faculty Booklet to facilitate our foreign faculty. The compensation and benefits team arranged and celebrated Independence Day and Halloween at the daycare. Information sessions on employee benefits were also conducted in addition to holding an awareness session on health care, which was conducted by Dr. Amir Kamal with help from IGI. During the year 2009-2010 HRD's team worked hard towards taking care of existing LUMS employees and maintaining a strong sense of motivation.

FACILITIES & ENGINEERING DEPARTMENT

The Facilities and Engineering (F&E) Department at LUMS is responsible for maintaining the main utilities at the campus such as electric power, gas supply, water distribution, HVAC controls, civil works and audio-video services. The F&E department also overlooks the technical aspects behind the execution work carried out by contractors on different projects awarded by the National Management Foundation (NMF). Some of the major accomplishments of the department during the year 2009-2010 are listed below:

- To meet the power requirements at LUMS, the sanctioned load from WAPDA was enhanced from 1.6 MW to 10 MW. For this purpose a new 132KV grid station was installed and commissioned on the premises.
- The Sui Gas supply connection was also increased from 21MCF/Hr to 63.5MCF/Hr to cater for the increased demand of new chillers and HVAC systems being installed at SSE.
- Smooth power, gas and water supply was ensured throughout the year to all areas at LUMS. Regular maintenance was carried out on diesel and gas generators to achieve 100% availability of power supply during WAPDA and gas shutdowns. The reliability of the UPS system was ensured to avoid any inconvenience or loss of data.
- The annual maintenance of complete plant equipment and campus buildings was carried out to meet the agreed standards. A systematic approach was applied to avoid any conflicts during the execution of the maintenance programme.
- Best possible audio and video services were provided to the teaching staff to meet requirements in all classrooms.

Some of the major projects completed during the year were:

- Construction of a water treatment plant
- Construction of faculty apartment # 7
- Construction of a pH neutralisation plant for SSE

The Pepsi Dinning Centre (PDC) functioned smoothly throughout the year, providing high quality food facilities to students and staff. Effective food rates were offered to meet general public demand. Annual medical screening of the entire PDC staff was carried out to avoid any untoward incident related to health problems.

GENERAL ADMINISTRATION & SERVICES

Due to the threat of terrorism present in Pakistan at the moment, security at LUMS has become of the utmost importance. The university management has taken practical measures to ensure a safe and secure environment. Enhancement of surveillance cameras based on an IP monitoring system has reduced security risks significantly. Ex- Army commandoes were inducted and deployed at sensitive locations within the campus. The number of security personnel has been increased to ensure that the university premises are guarded in a comprehensive manner. To further strengthen security, the following additional measures were taken after meeting with local authorities, police and the university management:

- Deployment of additional guards at IN and OUT gates for effective supervision of all entries and exits
- Placement of barriers to control traffic flow minimising security risks
- Installation of additional security lights to make dark areas better lit
- Contingency plans to negotiate certain crises such as earthquakes and fires by carrying out evacuation drills
- Provision of controlled electronic access to the LUMS community through smart cards, keeping in view their operational requirements on campus
- Induction of the latest sophisticated weapons

In the area of horticulture, the gardening staff has worked hard for the upkeep and beautification of the campus by making seasonal flower beds and planting evergreen plants. The janitorial staff is out-sourced for the maintenance of cleanliness on campus and for those who reside on the university premises, including students and faculty in their apartments and hostels.

OFFICE OF SPORTS, WELLNESS & RECREATION



The Office of Sports, Wellness and Recreation (SWR) maintains a reputation of hosting top-notch sporting tournaments and events at LUMS, not only for LUMS students, staff and faculty but the extended sporting community as well.

INTRA LUMS ACTIVITIES

SWR in collaboration with the LUMS Sports Society (SLUMS) involves the entire university community in various sporting activities through intra-LUMS events. During the current academic year, a number of internal sports activities, including Ramadan Fest, "Smash That" badminton, 3 on 3 basketball, beach football, mixed futsal, netball, tennis, table tennis, squash and softball events took place. Other activities such as car pulling, tug of war, arm wrestling, inter-department cricket tournaments and the Syed Maratib Ali Cricket Cup, along with a stamina competition, athletic mela and badminton tournament were organised for the LUMS community as well. More than 1500 staff, faculty and students took part in these activities.

WELLNESS PROGRAMME

The Office of Sports, Wellness & Recreation introduced aerobics, taekwondo, yoga and gymnastics classes for the LUMS community. Over 300 students, staff and faculty along with their families registered for the regular classes which were held thrice a week. The participants were given complex and high-intensity training in these sports.

COACHING AND TRAINING PROGRAMME

Developing and promoting competitive sports amongst the LUMS community requires proper training facilities. To meet these requirements, the services of professional coaches have been acquired to provide training. These training sessions are held thrice a week.

MAJOR EVENTS HOSTED BY LUMS

Sports competitions are a way of attracting the LUMS community towards sports and a healthy lifestyle. These competitions also serve as a platform for discovering new talents and shaping them to achieve maximum potential. There have been a number of competitions in which LUMS community members participated both on and off campus. These were hugely popular and helped established a great reputation with other institutions across the country.

MAJOR EVENTS HOSTED BY LUMS

- 2nd National Women's Football Championship
- Annual Floodlight Cricket Tournament
- Universevens Rugby Tournament
- LUMS, Fast Islamabad, Lahore School of Economics Tri-series Fixtures
- LUMS vs. Bahria Islamabad Fixture
- Syed Maratib Ali Inter Club Cricket Tournament
- 2nd Intervarsity Basketball Competitions
- Open Boxing Tournament
- Fixture with CBM and FAST Lahore
- Intra Lahore Tennis Championship
- Intervarsity Table Tennis
- National Badminton Tournament

OTHER ACTIVITIES

SUMMER ACADEMIES FOR CHILDREN

Summer camps for school going children of the alumni, faculty and staff were organised, which received an immensely positive response.

NATIONAL GAMES (SPECIAL OLYMPICS)

SWR in collaboration with Special Olympics hosted the National Games for Special Children at LUMS. This event was given extensive coverage by the local and international media. More than 200 special athletes and runners from the national level participated.

OLYMPIC DAY CELEBRATION

The Office of Sports, Wellness & Recreation celebrated Olympic Day on June 23, 2010 at the Syed Maratib Ali Sports Complex. Table tennis and taekwondo were played with great zeal and winners were awarded prizes and souvenirs provided by the Pakistan Olympic Association.

ACHIEVEMENTS

This year, LUMS sportsmen and women once again proved that they are talented, dynamic and passionate about not just participating in sport competitions, but making their mark too. Here are the achievements of the year 2009-2010:

- Muhammad Junaid Liaqat and Xeeshan Rizvi represented the Pakistan rugby team in the Carlton 7s Asian Five Nation Rugby Championship, organised by the International Rugby Board, held in Malaysia
- LUMS basketball team secured 2nd position in the Punjab Olympic Games during the first semester
- LUMS female basketball team secured 2nd position in the Chief Minister Cup during the second semester
- LUMS won the DHA Rugby Tournament in Lahore
- LUMS won the Universen 7s Competition (10 universities rugby tournament)
- LUMS squash squad secured 4th position in the Higher Education Commission Championship
- LUMS rugby team secured 3rd position in the World Universities Rugby 7s among the top 15 business universities in France
- The water polo team participated in the HEC Water Polo National Competition and secured 2nd position in Pakistan. The team also went on to participate in the International Water Polo competition held in Singapore
- LUMS table tennis team came 4th in the HEC Competition, held in Multan, beating Punjab University, the former winners

UPGRADING OF SWR

INSTALLATION OF SYNTHETIC FLOORS

Sporting events and trainings are held on proper flooring to avoid injuries and fatigue

to the players. A substantial portion of the SWR budget was saved and with the collaboration of SLUMS, the revenue generated through sponsorships, was utilised for the installation of the sports flooring. Presently, the main hall of the Syed Maratib Ali Sports Complex has synthetic sports indoor flooring in the basketball, volleyball and badminton courts.

MAINTENANCE AND UPGRADE

Promoting and developing sports is an ever evolving process, requiring constant maintenance of facilities and services. The department has improved the current services and facilities as well as the equipment and environment of the sports facility.

- The squash courts were refurbished again this year by experts to give the floor a pristine look and to meet international standards
- The male gym of the Syed Maratib Ali Sports Complex has been upgraded with new synthetic flooring and refurbishment of strength training equipment

FUTURE PROJECTS

The Office of Sports, Wellness & Recreation is in the process of planning the activity calendar for the year 2010-11 for the LUMS community.

CONSTRUCTION OF INDOOR SWIMMING POOL

The Office of Sports, Wellness & Recreation launched a fundraising project titled "Buy A Brick" to raise money to build an indoor swimming pool on the LUMS premises to cater to the needs of enthusiastic swimmers. The entire LUMS community is requested to contribute to the completion of this project. Detailed information about the "Buy A Brick" project will be communicated later.

WATERING SYSTEM

LUMS grounds are of an international standard. However, they need to be properly maintained to maintain this high standard. Currently the grounds are being watered using an obsolete flooding system which is not effective for maintenance. In order to address this problem, the sports committee has decided to install a proper watering system for the fields. The Syed Babar Ali Foundation has sponsored the watering system for the Syed Maratib Ali sports fields.

REFURBISHMENT OF TENNIS COURTS

Mr. Shahid Hussain of Service Industries has sanctioned a grant for the refurbishment of the tennis courts. There will be a fully furnished tennis court in the near future with facilities such as new tennis nets, back screens and a repainted playing surface.

COMMUNITY PROGRAMMES

The Office of Sports, Wellness & Recreation is planning programmes to provide the LUMS community with a chance for healthy social interaction. Plans include a weekly movie night and the screening of important sports matches.





OFFICE OF STUDENT AFFAIRS

The Office of Student Affairs (OSA) was established in May, 2009. Following its inception, the department has shown immense growth and development and has gone a long way in carving out a niche for itself in a student's university experience at LUMS.

MISSION STATEMENT

The mission of the OSA at LUMS is to reach out to students, inculcate in them a feeling of belonging to a community and facilitate them in making sound social and academic judgments, while promoting their emotional and physical wellbeing so that it fosters intellectual growth, integrity and a sense of responsibility in them.

THE OSA TEAM

The core team of OSA comprises:

- Mazhar M. Chinoy – Director
- Mubashrah Bano – Manager, Housing and Accommodation
- Dr. Abida Zaeem – House Physician
- Mustafa Abbas – Programme Manager, Academic Advising
- Muhammad Ali Shah – Extra Curricular Activities (ECA) Officer
- Ali Imran – ECA Assistant Officer
- Fizza Suhail – OSA Coordinator
- Fatima Shakeel – Assistant OSA Coordinator/ Helpdesk
- Aisha Kanwal – Senior Officer, Exchange Programmes and DC Affairs
- Farkhanda Khan – Officer, Housing and Accommodation

MAIN AREAS OF OSA

The main areas that fall under the OSA include:

- Student Issues and Support
- Academic Advising
- Residential College Support
- Housing and Accommodation Office
- Extracurricular Activities
- Exchange Programmes
- Student Counseling
- Medical Help

ACADEMIC ADVISING

The Academic Advising unit of the OSA plays an integral part in every student's life. During the year, the Academic Advising unit has taken many initiatives and achieved many goals. The main initiatives taken were:

- 1) **Quarter-to-Semester Transition Worksheets:** As LUMS moved from a quarter-based system to the semester system, OSA actively took up facilitating students in this regard to help them figure out remaining credit hour and academic requirements for graduation, by developing popular Q2S worksheets. The worksheets also consolidated into one document, academic transition policies specified by each department for each undergraduate major.
- 2) **The LUMS Faculty Advisors Handbook:** The Academic Advising Unit at OSA also developed the LUMS Faculty Advisors Handbook, the first of its kind at the university. The handbook serves to inspire and direct faculty advisors at LUMS in their role as academic advisors to undergraduates.
- 3) **Freshman Probationary Students Advising Programme:** All freshman students on academic probation in the class of 2013 were contacted and advised to see the Programme Manager, Academic Advising for guidance on overcoming their academic difficulty.
- 4) **LUMS Alumni Survey on Majors and Careers (ongoing):** The Academic Advising Unit administered a survey for all LUMS Alumni, through the LUMS Alumni Affairs Office. The survey had questions about which undergraduate majors the alumni pursued at LUMS, and what employment or graduate school they had pursued after LUMS. The purpose of the survey was to investigate links between majors and careers.
- 5) **Frequently Asked Questions Handouts for Students:** Two different handouts were also produced with clarifications on academic policy that students had most frequently sought from the advising programmes office at the OSA.
- 6) **Academic Difficulty Analysis Form:** The Academic Difficulty Analysis Form was designed and administered to all probationary students and students in academic difficulty. The results identified the most cited reasons for academic difficulty.
- 7) **The PULSE (Perceptions of Undergraduate Life and Student Experiences):** In Spring 2009 – 2010, the Academic Advising Unit worked with the Special Assistant to the Vice-Chancellor on marketing the PULSE survey to all undergraduates through outreach initiatives. The PULSE got a 65% response rate from undergraduate students.

RESIDENTIAL COLLEGE SUPPORT

Another transition in the LUMS community was witnessed in 2009 with the introduction of Residential Colleges (RC). Residential colleges are cross-sectional and student-faculty societies that form a more personal and autonomous unit than traditional dorm living. The main idea behind residential colleges is community living amidst an academic setting where students may form strong ties with peers and teachers alike. The residential colleges help students transition into their new communities, connecting them with the university through academic support, campus activities, hostel activities and other events.

There are currently four Residential Colleges at LUMS:

HENNA AMINA COLLEGE

The Henna Amina College (HAC) was founded in 2009 and is the first female RC established at LUMS. The HAC is comprised of the former F-3 building and many changes have been witnessed since the hostel building became a residential college. This residential college focuses a lot on ambiance and atmosphere which can be seen from the transformation of drab areas into brightly painted and well lit areas of the college, with enhanced security.

Events Conducted by HAC

Fall 2009 – 2010:

- HAC Chand Raat
- Meet the Candidates Night
- Student Government Elections and Oath-taking Ceremony
- Movie Night
- A fundraiser for the mental hospital was conducted in November 2009 which raised PKR 47,350 for the Rose Garden Half-Way House, which is a project for women in the Punjab Institute of Mental Health.

Spring 2009 – 2010:

- In March 2010, HAC organised a campaign called SAADU (Students Against Drug and Alcohol Use) which included guest lecturers, a peer discussion and a movie night. Three LUMS alumni were present to talk about their recovery from alcohol and drug use.
- A Halwa Puri breakfast
- A Dinner Night was conducted for female students from both residential colleges to cultivate greater inter-college fraternity.

MUBARIK COLLEGE

The Mubarik Residential College is the newest addition to the residential college family and was founded in March 2010 with an aim to provide a close-knit supportive environment for the residents of Mubarik Hall, Perween Ali Hall and the A7 Bungalow, in addition to day scholar members of LUMS. The college is named after Syeda Mubarik Begum, the mother of Mr. Syed Babar Ali, a founding member of Lahore University of Management Sciences (LUMS).

The majority of the residents of Mubarik College are freshmen and the college provides them with a multitude of opportunities to interact with senior students, the college master and coordinator. The College has a membership of around 300 students from various disciplines and classes of the university. These students, who come from across Pakistan and abroad benefit immensely from an atmosphere of rich cultural, sociological and academic diversity in an atmosphere of tolerance, caring and respect. The College plans to hold year round activities and events for the academic uplift, character building and

entertainment of the College members.

M-5/M-3 & M-6/M-4

Both the male residential colleges were established in 2009 as part of the Residential College project at LUMS and pending formal christening, are named after the hostel building they are based in for now. The main aim of these residential colleges is to instill a feeling of belonging to a community in its members. The residential college M-5/M-3 was operating at 79% occupancy and M-6/M-4 at 87% occupancy as of March 2010.

The male RCs initiated operation of a 'Dhaba' on their premises where students could buy affordable and fresh cooked meals. However, the project was annulled in Summer 2010 because of hygiene issues. Plans are underway to find a healthier and cleaner alternative.

The RCs have their own Judicial Committee and in 2009 – 2010, four cases were reviewed by it.

The college masters of both colleges make a special effort in providing support to students and advising them where necessary. Each RC has its student government which takes care of events and miscellaneous student matters.

Events at M-6/M-4

- Iftar Dinner for Freshmen (Batch of 2013) by M-6/M-4
- Open House with College Master
- Foosball Tournament
- An Evening with renowned author, Musharraf Ali Farooqui
- Biryani Fest
- Talk on Islamophobia and Islam with participation from international panelists
- Induction Ceremony of RC Government in February 2010

HOUSING OFFICE

The Housing Office serves as the central administrative point for all Residential Colleges and accommodation. The main responsibilities of the office are as follows:

- Planning and ensuring all annual maintenance of residential buildings
- Daily troubleshooting regarding maintenance of residential buildings
- Receiving and forwarding all mail for students residing on campus
- Keeping a log of all hostel equipment sent for repairs, its collection and delivery
- Checking in and checking out of all students and maintenance of resident databases

Main Issues Faced

- The number of students residing on campus increased exponentially
- The number of staff members decreased as the system transitioned into the Residential College system which led to redefining Housing Office job responsibilities

Solutions

- To overcome the increasing load on female hostels as a result of more students, a new female hostel building is being erected, with a capacity of 224, after a generous donation from Mr. Syed Babar Ali
- The Housing Office staff has aligned their activities and redefined job descriptions to adjust to the Residential College system

EXTRACURRICULAR ACTIVITIES

The Extracurricular Activities Office is an integral part of the Office of Student Affairs that acts as the governing body for all clubs and societies administered by student representatives. During this year, the main activities taken up by the office include:

- New policies to better organise and facilitate events held by societies were set up. These were updated into a revamped Societies' Handbook.
- Coordinating and facilitating over 100 individual society events that included major events such as the LUMUN Conference 2009, YLES 2010, CARMA 2010, Psi Fi 2010 and Olympiad. More than 300 institutions participated from all over Pakistan in these events.

EXCHANGE PROGRAMMES

ERNST MACH GRANT

LUMS has an ongoing exchange programme with the FH Joanneum University (FHJ) of Applied Sciences Graz, Austria. This year after a rigorous selection process ten undergraduate students were selected to study at the FHJ for the academic year 2010-2011. The selected students were also directed to apply for the Ernst Mach Grant offered by the Ministry of Science and Research, Austria. The final selection was up to the grant selection board, consisting of persons from the Ministry of Science and the Austrian Exchange Service. Six out of ten LUMS students have qualified for the Ernst Mach Grant to study at the FHJ. The grant comes with a very generous allowance of 940 Euros per month and also provides for a 100% travel allowance. The LUMS partner university has confirmed that the applications of our students were of high quality.

LUMS-PASSAU EXCHANGE PROGRAMME

Another student exchange programme was initiated with the University of Passau, Germany to encourage closer academic ties and to establish programmes of exchange and collaboration in areas of interest and benefit to students from both institutions. This year, two students, Mr. Jakob Schlag and Ms. Eva Boegelein from Passau attended the academic year 2010-2011 at LUMS.

EURECA EXCHANGE PROGRAMME

In 2008, LUMS initiated an exchange programme with European Research and Educational Collaboration with Asia (EURECA). The EURECA consortium comprises of 16 prominent educational institutions (9 from Europe and 7 from Asia). LUMS, as a partner institution from Pakistan, has utilised 29 seats during the academic year 2009-2010.

COUNSELING

Student counseling services at LUMS are provided by a qualified professional. The student counselor works regularly with students for all kinds of emotional, psychological, familial and academic problems. Stress management techniques and relaxation methods are offered to deal with anxiety and stress. The counseling service is especially sensitive to issues of diversity and their influence on student adjustment, identity and growth. Any information discussed with the counselor is strictly confidential and does not affect a student's academic record. Apart from counseling, other stress-busting services such as cognitive behavior therapy, advanced clinical hypnosis, Reiki and mindful meditations were also offered to students free of cost.

HOUSE PHYSICIAN

Students can avail the services of Dr. Abida Zaeem, an experienced physician who is available for medical consultation for five working days a week from 3:00 pm to 5:00 pm, and also offers consultation over the phone when she is not on campus. During exam week, the doctor is available over weekends as well. The doctor sees around 135 patients on an average every month.

MAJOR EVENTS DURING JUNE 2009 – JUNE 2010

OSA played an active role in organising two of the signature events of LUMS in 2009, namely:

- Orientation 2009
- Convocation 2009

Support was provided not only in terms of set up but also in planning and the event logistics.

- The Dean's Honou List Award Ceremony was also conducted by OSA in February 2010 where students with CGPAs of 3.60 and above were honoured and given cash awards. A total of 165 bright students were recognised at this ceremony.

MISCELLANEOUS ACCOMPLISHMENTS 2009 – 2010

- Freshmen signed off on an Honour Code during the Orientation week.
- Set up of a SharePoint Portal for OSA where students can easily access information regarding OSA and download relevant documents. The site is currently in its completion phase.
- More than 230 queries are taken every month by the OSA helpdesk and issues brought to the office are resolved immediately or at most, within a week for the more complex issues.

RESOURCE DEVELOPMENT & ALUMNI AFFAIRS



COMMUNICATIONS AND PUBLICATIONS

The Communications and Publications team is primarily responsible for external and internal communications at LUMS. This includes communication in the university with faculty, staff and students, as well as externally with media, prospective students and others. It also publishes materials for LUMS as a whole. This year the Communications and Publications team worked on giving LUMS publications a new and improved look, while keeping in mind the corporate image of the university. As LUMS completes its 25 years of academic excellence, the team is working on a campaign to further promote these celebrations.

MARKETING

The Marketing team is responsible for marketing the undergraduate and graduate programmes of SHSSL and SSE. The team uses various mediums to reach out to potential students. An example is the Open Day which is held every year. The Open Day includes detailed presentations on the BSc (Honours), BA-LL.B, BS, MBA, MS and PhD Computer Science and Computer Engineering, MSc Economics, PhD Mathematics, Executive MBA and PhD Management programmes. It also informs potential applicants of the LUMS campus life and fee structures. In addition to programme presentations, information kiosks are set up by the LUMS staff to inform visitors about the admissions process, scholarships, academic course details and financial aid opportunities.

The LUMS Marketing team organises an annual information session for FA/ FSc students in all major cities of Pakistan, including Abbotabad, Bahawalpur, Faisalabad, Gujranwala, Hyderabad, Karachi, Lahore, Multan, Rawalpindi, Sialkot, Sukkur and Sargodha. The National Outreach Programme (NOP) is also promoted through these sessions. Participants are guided in detail about the programmes and facilities offered at LUMS, as well as the admission procedure and financial assistance opportunities available.

The team also creates awareness for the programmes offered at LUMS by regularly visiting and presenting at schools and various institutes around Pakistan. The Marketing staff is also responsible for updating and managing the LUMS website which plays a vital role in promoting the university.

FUNDRAISING

After being formerly structured last year, the Fundraising team is responsible for raising funds for the various needs of LUMS, including scholarships, infrastructure and more. It also facilitates LUMS student societies in generating funds for their events and projects, keeping in view the branding and sponsorship policies in place to safeguard the university premises and reputation.

The Fundraising team has been very active this year. A Donors Acknowledgement Dinner was arranged by the team hosted by Dr. Ahmad Jan Durrani, on March 27, 2010. The event entailed a recital by Mushtaq A. Khan Yousafi, followed by a poetry recital by Zahid Fakhri. The evening was attended by Syed Babar Ali, Advisor Packages Ltd; Asad Omer, President of Engro Corporation; Haroon Waheed, HR Director of Unilever; Shehzada Dawood, CEO of Dawood Group and Shahid Hussain, Chairman of Service Group of Industries. The team is also involved in soliciting class gifts, in collaboration with the Alumni Affairs team.

DONATIONS AND GIFTS RECEIVED DURING 2009-2010

ALI MUNIR

A young entrepreneur based in the UK learned about the LUMS community development initiative, the National Outreach Programme (NOP) and pledged to support one NOP scholar for the four years of the undergraduate programme. Mr. Munir has already sent in USD 6,500 as the first installment of the scholarship fund.

ALMAKKY SCHOLARSHIP FUND

An alumnus, Ali Almakky from the class of MBA 1996, also stepped forward to sponsor one NOP scholar's four years of undergraduate education.

ASHRAF RIAZ

Mr. Naveed Riaz, visiting faculty at LUMS and renowned journalist, set up a scholarship fund in his father's name to support the LUMS NOP by funding a deserving student for the four year duration of the undergraduate programme.

BAYER CROPSCIENCE PAKISTAN

Bayer CropScience Pakistan sent in their first contribution towards the Bayer Scholarship Fund for supporting two NOP scholars studying at the School of Science and Engineering (SSE). The first cheque of USD 20,000 was received on December 24, 2009.

FRIENDS OF LUMS CANADA

Various alumni and individuals residing in Canada, came together to pledge an endowment to support the LUMS National Outreach Programme (NOP). Their first contribution of CAD 10,000 was received by LUMS in May 2010.

FUND FROM BABAR ALI

LUMS received a gift of PKR 80 million from Syed Babar Ali for the construction of a new female residential college.

GIFT BY ASHRAF NAWABI

Ashraf Nawabi entered into an agreement with LUMS to support the National Outreach Programme by sponsoring one NOP scholar throughout the undergraduate programme.

HOUSE OF HABIB

Rafiq M. Habib, Chairman, House of Habib, stepped forward with a PKR 7.5 million donation for the National Outreach Programme.

HUSSEIN & KALSUM DAWOOD FUND

Shahzada Dawood of the Dawood family who is also a member of the LUMS Board of Governors, set up a scholarship fund in his parents' name to support one National Outreach Programme (NOP) SSE scholar for the entire duration of the undergraduate programme.

IRFAN ULLAH KHAN SCHOLARSHIP FUND

Irfan & Irfan, a legal advisor to a range of clients, has pledged to fund one National Outreach Programme (NOP) scholar enrolled in the five year BA-LL.B programme.

PAKISTAN PETROLEUM LIMITED

Pakistan Petroleum Limited (PPL) has entered into an agreement with LUMS to support the National Outreach Programme (NOP) by sponsoring the education of two NOP scholars in perpetuity. Under this agreement, PPL has agreed to provide the university with PKR 3.7 million annually, over a period of four years, to create an endowment fund for the NOP.

NETSOL TECHNOLOGIES

Supporting LUMS in its aim to provide quality education to the deserving youth of Pakistan, Netsol renewed its commitment to fund an National Outreach Programme (NOP) scholar for two years of the undergraduate programme.

NOSHEEN & JAHANZEB SHERWANI EDUCATION FUND

Nosheen and Jahanzeb from the class of BSc 2002, extended their support by setting up an endowment to fund for one National Outreach Programme (NOP) scholar in perpetuity. The generous donors have donated a total of USD 70,000 and plan to visit LUMS soon to finalise their beneficiary.

PEEF JOINS HANDS WITH LUMS

An agreement was signed between LUMS and the Punjab Educational Endowment Fund (PEEF) on December 8, 2009, to fund deserving students at the university. Under this collaboration, PEEF has agreed to provide financial support to 20 National Outreach Programme (NOP) scholars at LUMS by sponsoring 50% of

their fees.

SYEDA MEHBOOB BEGUM ENDOWMENT FUND

LUMS and Bibi Sitwat entered into an agreement to set up the Syeda Mehboob Begum Endowment Fund to support one deserving NOP scholar in perpetuity. The generous donor has contributed PKR 5 million towards this fund.

SYED MUHAMMAD HAIDER ENDOWMENT FUND

Mr. Mohsin Haider set up the Syed Muhammad Haider Endowment Fund in his father's name to support the LUMS NOP in perpetuity. Mr. Haider has contributed PKR 5 million towards this fund.

SYED JAVED HASSAN

Mr. Javed Hassan, CEO, IGI Funds, stepped forward to support the LUMS development initiative, the National Outreach Programme (NOP), by committing to set up an endowment to fund one NOP scholar in perpetuity.

THE GURMANI FOUNDATION

A gift was received from the Gurmani Foundation to set up the Nawab Mushtaq Ahmad Gurmani Centre for Urdu, Arabic and Persian Languages at LUMS. The centre will be under the management of the School of Humanities, Social Sciences & Law (SHSSL).

YUSUF H SHIRAZI SCHOLARSHIP FUND

Mr. Yusuf H Shirazi, Chairman, Atlas Group of Companies continued his support of the National Outreach Programme (NOP) by setting up a scholarship fund to support one NOP scholar for the four year duration of the undergraduate programme.

ALUMNI CLASS GIFTS**BSC 2009 SCHOLARSHIP FUND**

The BSc class of 2009 have committed to support one NOP scholar for the complete four year duration of the undergraduate programme. During the last two months of their final year at LUMS, the BSc 2009 class ran an ambitious campaign and collected the required funds to sponsor the first year of a deserving student at the university.

MBA 2006 PLEDGES TO GIVE PKR 5.5 MILLION

The LUMS alumni MBA batch of 2006, signed a Memorandum of Understanding (MoU) with LUMS that facilitates interest free loans to deserving MBA students. The noted alumni have pledged to give PKR 5.5 million as an endowment to LUMS. They had previously donated PKR 1 million.

MBA 2002 ENDOWMENT FUND

The MBA class of 2002 entered into an agreement with LUMS to support the National Outreach Programme (NOP) by setting up an endowment fund worth PKR 6 million. The MoU was signed on April 16, 2010.

MBA 1999 ENDOWMENT FUND

Mahrukh Burki, on behalf of the MBA class of 1999, signed an agreement with LUMS to set up an endowment to support the National Outreach Programme. They have already contributed PKR 3.5 million and have pledged to add a further PKR 1.5 million.

MBA 1991 FUND

The MBA class of 1991 again extended its support to LUMS by setting up an interest free loan fund for deserving candidates of MBA programme.

We are thankful to all donors and classes for contributing generously. LUMS is very proud of our graduates' philanthropic spirit.

ALUMNI AFFAIRS

The Alumni Affairs Office looks after over 5000 alumni of LUMS. The Office is working proactively to keep alumni in contact with both the university and each other, for their mutual benefit and for the continuing support and advancement of LUMS. The aim is to enhance the involvement of alumni in the university activities. The Alumni Affairs Office is constantly looking for ways to connect further with the alumni.

ALUMNI AFFAIRS OFFICE EVENTS

ANNUAL HOMECOMING

The LUMS Resource Development and Alumni Affairs team held the Alumni Annual Homecoming 2009 at LUMS on December 12, 2009. The first half of the day was a carnival for the families of alumni, staff and faculty, all of whom thoroughly enjoyed the activities. Various sports were played by the adults, while the children were entertained by a magic show and jumping castles. Snacks and tea were served as well.

The second portion of the event consisted of a gala dinner and performances. The Master of Ceremonies was Director, Resource Development and Alumni Affairs, Sheikh Ali Hussain, while Syed Babar Ali and Dr. Ahmad Jan Durrani addressed the alumni. The opening act was a standup comedy show by Saad Haroon and Danish from Karachi, followed by a musical concert by Shiraz Uppal. The major sponsor of the evening was Telenor Persona. Co-sponsors included PepsiCo International and Nestle Pakistan.

2010 BATCH ALUMNI ORIENTATION

The Alumni Affairs Office held the annual series of information sessions for all classes graduating this year. The purpose of the sessions was to inform students about what the Office does to assist them after they have graduated and how they can contribute as alumni to the LUMS cause.

The first of the alumni information sessions was held for the MBA class of 2010 and was hosted in the Executive Dining Hall (EDH) on March 2, 2010. The information sessions for MSc 2010 and BSc 2010 were held on April 2, 2010 and April 16, 2010 respectively, at EDH with the same agenda and format. EMBA 2010 was given their presentation at the Rausing Executive and Development Centre (REDC) on April 20, 2010. Later, due to their overwhelming response and interest they were shown a documentary on the National Outreach Programme (NOP) to make them aware of the various initiatives LUMS has taken to ensure its commitment towards a need-blind admissions policy.

LUMS ALUMNI KARACHI CHAPTER (LAKC)

The Annual Volleyball event organised by the LUMS Alumni Karachi Chapter (LAKC) was held on February 27, 2010 at DHA College of O & A Levels, Karachi. The event was sponsored by E2E (Pvt) Ltd., a company owned and operated by Mr. Abid Butt, alumnus of LUMS. This is a very popular event, with some alumni training for it throughout the year. Many have requested to make it a bi-annual event.

LAKC and the Managing Committee greatly appreciate and thank Abid of E2E for his generosity in sponsoring the event and in making the tournament a success.

REUNION	DATE	ORGANISED BY	LUMS REPRESENTED BY
US Reunion	June, 2009	Ali Almakky (MBA 1996), Imran Ismail (BSc 1998) Ali Jaffery (BSc 2001), Mona Akmal (BSc 2001) Abid Mohsin (BSc 2001), Sana Naveed Khawaja (BSc 2005) Sanaa K Nadeem (BSc 2007)	Dr. Ahmad Jan Durrani Sheikh Ali Hussain
Islamabad Reunion	August, 2009	Haider Rafiq (MBA 1994), Umer Malik (BSc 2006) Saud Mukhtar (MBA 2007)	Dr. Ahmad Jan Durrani, Sheikh Ali Hussain Amna Arshad
MBA 1999 10 Year Reunion	December, 2009	Khalid Iqbal(MBA 1999)	Dr. Ahmad Jan Durrani Dr. Shaukat Brah
MBA 1989 20 Year Reunion	December, 2009	Shahzad Saleem (MBA 1989), Gohar Yasin (MBA 1989)	Syed Babar Ali, Razzak Dawood, Dr. Ahmad Jan Durrani
BSc 1999 10 Year Reunion	January, 2010	Alumni Affairs Office	Sheikh Ali Hussain, Amna Arshad
Singapore Alumni Get Together	April, 2010	Haroon Rashid (MBA 1995)	Syed Babar Ali
Alumni in US Bay Area	April 18, 2010	Abid Mohsin (BSc 2001), Jahanzeb Sherwani (BSc 2002) Nosheen Sherwani (BSc 2002)	Syed Babar Ali
UK Alumni	May 7, 2010	Salman Ahmed (BSc 1999), Murtaza Mankani (MBA 1999), Arsalan Ijaz Anwar (BSc 2002), Mehru Asad (BSc 2003)	Syed Babar Ali, Dr. Ahmad Jan Durrani Other guests: Sir Anwar Pervez, OBE, H.Pk, Mr. & Mrs. Jorn Rausing, Ms. Kirsten Rausing, Mr. & Mrs. Sikander Latif , H.E. Wajid Shamsul Hassan

NATIONAL OUTREACH PROGRAMME



In order to fully harness the potential and talent of the human resources across Pakistan, LUMS has been trying to provide a broader access to its academic programmes. An initiative called the "National Outreach Programme" was launched in 2001 with the objective of providing educational opportunities to bright and talented students from smaller cities, villages and the inner city areas of large urban centres.

Efforts have resulted in the induction of 407 students to date to the undergraduate programmes from the outreach stream. Out of these, 80 were inducted this year alone. 45 NOP scholars have graduated so far. 9 of these have received the Fulbright scholarship and have joined renowned universities such as Harvard, Columbia, Georgia Tech, Ohio State University, Cornell, University of Paris 1 Pantheon-Sorbonne, National University of Singapore and Institute of Islamic Studies, UK. 5 students have attended semesters at foreign universities including F H Joanneum, Waseda and College of William & Mary. Those who opted to join the workforce have found employment with leading organisations such as Deloitte UK, Unilever, P&G, MTBC, International Petrochemicals Pvt Ltd., UBL, Confiz Solutions, Standard Chartered Bank, Colony Group, Al-Ghanim Industries Kuwait, Habib Bank A G Zurich and Habib Bank Limited.

After intensive marketing and promotion of the National Outreach Programme (NOP), we received 7000 applications from across the country, which is an indication of the highly competitive and competent youth in Pakistan. After an initial screening of applications, a total of approximately 5000 candidates were called in for the Preliminary Evaluation Test (PET), held in 12 cities of Pakistan. Teams were formulated and sent to these test centres for the smooth execution of the test.

After the Preliminary Evaluation Test, 350 students out of 5000 were shortlisted for the coaching session. Students were shortlisted on the basis of their evaluation test and matriculation results. This year the competition was intense and we can proudly say that we managed to enroll the most talented and brilliant

students from all over Pakistan for the NOP coaching session.

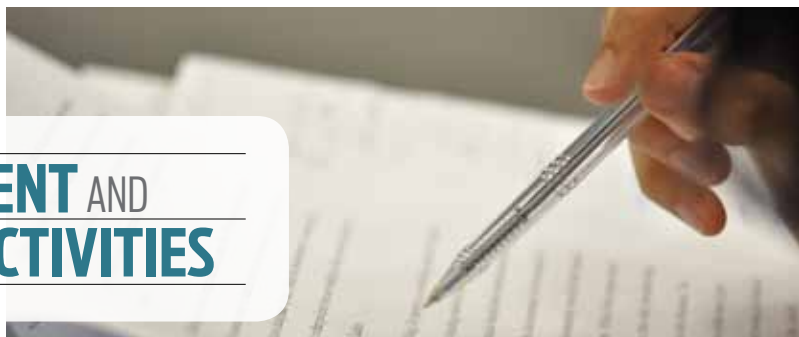
The coaching session began on July 10, 2010 and lasted till August 1, 2010. In this session we prepared shortlisted students for the LUMS admission tests which are the LCAT (LUMS Common Admission Test) and the SSE (School of Science and Engineering) subject test. For LCAT training purposes, students were enrolled in mathematics and verbal classes, while for the SSE subject tests, students were required to take additional mathematics, physics, chemistry and biology classes. Students went through rigorous training and their performance was gauged through weekly tests and quizzes. Candidates performed to their fullest abilities and benefitted from this scholarship initiative.





RECENT INITIATIVES

LEARNING OUTCOMES ASSESSMENT AND INSTITUTIONAL EFFECTIVENESS ACTIVITIES



DECEMBER 2009 AND JANUARY 2010

INITIAL RESEARCH ON ASSESSMENT

Drawing on a variety of academic and institutional sources, the Vice Chancellor's Office examined a number of assessment methods and practices at North American universities. This research culminated in the drafting of "Institutionalising Effectiveness at LUMS: Assessment and Student Learning Outcomes" and the related PowerPoint presentation "Institutionalising Effectiveness: Self-Assessment and Student Learning Outcomes".

FEBRUARY 2010

DISTRIBUTION OF ASSESSMENT WHITE PAPER AND POWERPOINT PRESENTATION

The Vice Chancellor distributed the internal white paper on assessment to the university's faculty, staff, students and Management Committee on February 3, 2010. The Vice Chancellor distributed a revised version of the assessment PowerPoint presentation to the university's faculty and the Deans of the three schools on February 15, 2010.

MARCH 2010

FORMATION AND 1ST MEETING OF THE LEARNING OUTCOMES ASSESSMENT TASK FORCE

The Vice Chancellor formed a task force on Learning Outcomes Assessment consisting of faculty from all three schools of the university. The task force which is empowered both to consult on and to implement assessment practices throughout the university's academic areas, held its first meeting on March 8, 2010.

VISIT OF MR. SCOTT BARGE

On the invitation of the Vice Chancellor, Mr. Scott Barge, a Harvard-based expert on assessment with extensive international experience, visited LUMS from March 14 - 19, 2010. During his visit, Mr. Barge met individually with several faculty members from each school and presented to programme coordinators and academic heads of departments. He also held a workshop for all faculty members on developing learning outcomes at the departmental level. Representatives from several local institutions, including the Higher Education Commission of Pakistan, the Pakistan Engineering Council, National Textile University (Faisalabad) and Frontier Women University (Peshawar) attended the workshop.

FACULTY SCHOLARLY REPORT

Recognising that learning outcomes assessment is part of a broader effort at institutional effectiveness, the Vice Chancellor's Office launched an online scholarly report form for all full-time faculty members on March 15, 2010. This report covers teaching, publications and professional activities from the calendar year 2009. Approximately 74 percent of faculty members completed the report before its closure on May 1, 2010. Comprehensive copies of the university-wide report were bound and distributed on May 17, 2010 to all faculty members, the Pro-Chancellor and the Rector.

APRIL 2010

2ND MEETING OF THE LEARNING OUTCOMES ASSESSMENT TASK FORCE

The Learning Outcomes Assessment Task Force held its second meeting on April 2, 2010.

FORMULATION OF UNIVERSITY GOALS FOR UNDERGRADUATE STUDENTS

The Vice Chancellor and his staff members formulated a set of five institutional goals for LUMS undergraduate students. These goals were presented to the Learning Outcomes Assessment Task Force and the Deans of all three schools and revised with their input. A working draft version of the goals was distributed to the Management Committee and the plenary faculty on May 20, 2010.

MAY 2010

3RD MEETING OF THE LEARNING OUTCOMES ASSESSMENT TASK FORCE

The Learning Outcomes Assessment Task Force held its third meeting on May 14, 2010. The task force further modified the university goals for undergraduate students and presented a draft of a departmental assessment plan.

INVOLVEMENT OF ACADEMIC DEPARTMENTS

The Vice Chancellor distributed copies of Barbara Walvoord's 'Assessment Clear and Simple', a guide for implementing learning outcomes assessment, to all academic heads of departments at a meeting on May 19, 2010. The Learning Outcomes Assessment Task Force sent an e-mail to the plenary faculty on May 20, 2010 suggesting the formulation of departmental assessment plans and attaching examples and templates of learning outcomes and assessment strategies. The Vice Chancellor reiterated this message in an e-mail to the general faculty on May 27, 2010. By the adjournment of the academic year, the Mathematics department and the Anthropology and Sociology stream of the Department of Humanities and Social Sciences had submitted draft assessment plans.



LUMS AND RICE UNIVERSITY COLLABORATION

RICE UNIVERSITY AND LUMS FORGE CLOSER ACADEMIC TIES

Mr. Syed Babar Ali, founder of the Lahore University of Management Sciences (LUMS) and one of Pakistan's most esteemed industrialists and philanthropists, joined Dr. Ahmad J. Durrani, Vice Chancellor, LUMS and Rice University officials in Houston, Texas to launch an international collaboration between the two universities. A memorandum of agreement has been signed to mark the relationship.

On April 29, 2010 Syed Babar Ali and Dr. Durrani met with the deans of the Jones School of Business and the George R. Brown School of Engineering to discuss research and faculty exchanges. James Crossover, Chair, Board of Trustees, Rice University hosted a luncheon honouring Syed Babar Ali and Dr. Durrani. Several programme directors and other officials also participated in meetings to discuss how collaborations could benefit students at both universities.

The planning meetings with Rice University officials identified several areas of the two universities that may benefit from collaboration. Rice's James A. Baker III Institute for Public Policy and the Chao Center for Asian Studies and its programme in Poverty, Justice and Human Capabilities, along with its schools of business and engineering, are seen as key elements in future collaborations. The new Gurmani Centre for Persian, Arabic, and Urdu Languages at LUMS, its School of Sciences and Engineering and the Suleman Dawood School of Business executive training programmes may offer collaborative opportunities with Rice. International projects to engage students from both schools are expected to produce lifelong contacts and better cultural understanding.

"Rice University looks forward to strengthening its ties with LUMS in the next decade", said Rice's Jim Crossover. LUMS already has strong linkages with several other prestigious universities, including MIT and Harvard. Vice Chancellor Durrani affirmed, "These collaborations will enable universities to study and help solve global as well as national problems. They will also train students for leadership in addressing difficult challenges involving people from many cultures."

Distinguished members of the Pakistani community in Houston and friends from Rice gathered later in the evening for a dinner tribute to Syed Babar Ali, who has been the Pro-Chancellor at LUMS since 1986 and who has given many millions of dollars to support education, poverty relief and other philanthropic ventures in Pakistan.

The LUMS and Rice agreement will serve as a general framework for cooperation between the two universities and is intended to facilitate discussions of more specific programmes of collaboration. Both universities are going to identify opportunities for the exchange of faculty and research staff to create awareness of the academic programmes, research institutes and educational resources of both institutions. This will help in the establishment of programmes that will enable interested students and university personnel to pursue either short term or extended programmes of study.

PULSE SURVEY



LUMS is striving to be nothing less than a world-class institution of higher learning, with its educational experience being comparable to the finest universities in the world. As an institution, we do not want to restrict our aims just to what students know when they graduate, but also on how well their undergraduate experience prepares them for life beyond LUMS. The most significant measure of our success is not just the content our students learn, but more importantly the habits of mind they develop through their educational experiences here. These include critical thinking, creativity, analytical ability, intellectual curiosity and a lifelong love for learning. We believe that a thorough assessment of the effectiveness and quality of our undergraduate student experience is one of our fundamental responsibilities as an institution.

The assessment of the quality of student experience is the first step towards improvement. Assessment is a powerful exercise, since it not only measures reality, but can also provide the impetus needed to change it. The Survey Research Institute (SRI) at Cornell was contracted to conduct an online PULSE (Perceptions of Undergraduate Life and Student Experiences) Survey for LUMS. The purpose of this survey is to help faculty and administrators better understand how to strengthen the student experience at LUMS. In April 2010, LUMS administered the PULSE Survey to all its undergraduate students. The Vice Chancellor's Office initiated the PULSE project, and later collaborated with the LUMS Office of Student Affairs to publicise the survey and get as many undergraduate students as possible to complete the survey.

The PULSE Survey was developed by the Consortium on Financing Higher Education (COFHE), which is an organisation of 31 of the most prestigious colleges and universities in the United States. The PULSE is used by many of these universities, including MIT, Cornell and University of Pennsylvania, to get student feedback on the overall quality of their undergraduate educational experience and to identify areas of improvement for future growth. Since PULSE is fairly standardised, it can be used to compare results between institutions.

The PULSE is a very comprehensive survey. It has been designed to capture student perceptions of and satisfaction with the many aspects of the undergraduate educational experience at LUMS. Among other things, questions on the PULSE Survey address academics, advising, non-academic activities, administrative effectiveness, social life on campus, the quality and extent of student connections with faculty here, personal development through college and the different factors that influence quality of student life.

In total, 1,479 students completed the survey out of a total of 2,294, yielding a response rate of 64.47%. Undergraduates from all years, majors and across the three schools participated in the survey.





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