Vision

To become an internationally acclaimed research university that serves society through excellence in education and research.

Mission

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.
The year 2011 – 2012 at the Lahore University of Management Sciences (LUMS), like previous years, was marked with accomplishments in the areas of academia, research and extracurricular activities. New initiatives were also launched in the areas of fund-raising and environmental awareness. Additions were made to the academic programmes offered at the University, thus providing even further opportunities for the students from all over Pakistan to avail a world-class degree at LUMS.

In a major announcement at the 24th Annual Convocation, far-reaching changes at LUMS were announced. The existing Suleman Dawood School of Business was joined by two newly named Schools - the Syed Babar Ali School of Science and Engineering and the Mushtaq Ahmad Gurmani School of Humanities and Social Sciences. An independent School of Law is planned within the next three years.

The Syed Babar Ali School of Science and Engineering also launched new graduate degrees which marks a major step forward and a new phase for the School. New PhD degrees will be offered in Biology, Chemistry, Electrical Engineering and Physics, which will add to existing doctoral programmes in Computer Science and in Mathematics. A new Master’s level degree in Electrical Engineering has also been introduced. The Mushtaq Ahmad Gurmani School of Humanities and Social Sciences introduced a new major at the undergraduate level in History, while the Suleman Dawood School of Business introduced a weekend Executive MBA programme and launched a new undergraduate major in Management Sciences.

The University is grateful and proud to have received a generous gift of PKR 1 billion from the Gurmani Foundation for setting up an endowment for supporting financial assistance programmes for deserving students as well as for a range of scholarly activities.

The LUMS faculty continued producing original research in a wide range of areas. Books and book chapters were published; research papers appeared in highly-regarded international journals amounting to over 300 in total this year. Faculty took part in international and national conferences and exciting research projects were conducted throughout the year as well. The research activities of the LUMS faculty have been funded by local and international donor agencies.

LUMS students also continued their tradition of winning accolades in academic and extracurricular arenas. Students at the University were ranked amongst the best in all kinds of academic competitions ranging from programming to business. Sports at LUMS continued to thrive through various external and internal competitions. National Outreach Programme (NCP) scholars went on exchange programmes in the US; the LUMS team was the best delegation at the Turkey Model United Nations; MBA students secured internships at the world’s leading banks and a PhD Management student won the prestigious Emerging Economies Doctoral Student Award and received the AMDISA Fellowship, among many other student accomplishments. Our graduates also received offers from top-tier companies, as well as PhD offers from premier universities from around the world.

With the continued support of students, alumni, faculty and staff, the University will continue to push at the boundaries of excellence in the year to come.
Total LUMS Campus Size: 100 Acres

Total Faculty: 147

- Mushtaq Gurmani School of Humanities & Social Sciences Faculty: 63
- Syed Babar Ali School of Science & Engineering Faculty: 56
- Suleman Dawood School of Business Faculty: 28

Graduate Student Societies: 11
Undergraduate Student Societies: 27
Sporting Facilities: 26
Total Number of BSc graduates (Class of 2011): 387

Internal Research Funding:
- PKR 30.13 Million

External Research Funding (Research Proposals, Consultancy Assignments, HEC Travel Grants, Unrestricted Grants etc):
- PKR 380.55 Million

Total Number of Undergraduates (Class of 2011): 372

On-Campus Computers (Staff, faculty, research and labs): 1600
Total Number of Students: 3110

Number of Undergraduate Students: 2618

Number of Graduate Students: 492

Cumulative NOP Scholars

- 2002: 5
- 2003: 14
- 2004: 24
- 2005: 34
- 2006: 58
- 2007: 110
- 2008: 193
- 2009: 330
- 2010: 410
- 2011: 464
- 2012: 518
The Suleman Dawood School of Business (SDSB) is a leading management school of Asia, especially distinguished as the pioneer of the case method of teaching in Pakistan, with over five hundred local cases written by its faculty. Since its inception, SDSB has strived to bring about a constructive change in the academic and management practices in the region by motivating and enabling the best human resources to foster an innovative and progressive culture.

Our vision is to be the leading business management school in the region, recognised for teaching and research excellence. Our academic programmes are designed to develop leaders who can identify real challenges, and present solutions. Our programmes are industry relevant that address pressing needs of today, and are constantly reinvented through the cutting edge research of our faculty.

Our undergraduate programmes, the BSc (Honours) in Accounting and Finance and Management Science groom highly proficient graduates. The graduate programmes offered include the MBA, Executive MBA and PhD Management, which give our graduates a global perspective. Our executive education and customised training programmes are highly sought after as well.

Our research and executive development centres are complimented by the highly accomplished faculty who works to achieve our mission of generation, assimilation and dissemination of knowledge. With the largest gathering of PhDs in a business school in the nation, the research conducted by our faculty is widely acknowledged in the international scholarly circles and their contributions are published in well renowned journals, including our own Asian Case Research Journal.

Our faculty provides wide ranging consultancy and policy advice both to the public and private sectors. This leads to the addition of several new cases to our curricula every year, developed in-house at the Case Research Centre. Our new initiative of conducting sector based research in vital areas is helping us stay relevant to the changing needs of the local and global economies. The Social Enterprise Development Centre and the Raising Executive Development Centre extend our expertise to the industry, thus contributing to the human resource development of public, private, social and Small and Medium Enterprise (SME) sectors of the country.

There were numerous achievements at the School during the year 2011 – 2012 including:

- Launch of new undergraduate BSc (Honours) Management Science programme
- Launch of Weekend EMBA programme
- Increase in student enrollment from 813 in 2011-2012, to 993 in 2012-2013
- New faculty has been hired and faculty research is on the rise
- SDSB announced the opening of its new building in a ceremony in January 2012
- LUMS entered into an agreement with MCB Bank Limited through which MCB Bank will provide commercial loans to MBA and Executive MBA students
- LUMS was once again been ranked as the top business education university in Pakistan by the Higher Education Commission
- MBA students have been selected for internships at Credit Suisse, Hong Kong and Bank of America – Merrill Lynch, Hong Kong
Future Plans and Challenges

Academic Sustainability

- Attract, retain & develop faculty
- Material development (indigenous) and scholarship
- 600 plus cases/industry notes
- Expertise through case writing, research, consultancy in specific segments – Energy; Health; Telecom; Agribusiness; Dairy & Livestock; Entrepreneurship & Family Business
- New, multi disciplinary/school courses
- Focus on placements; student admission; external linkages; industry specialists
- AACSB Accreditation
- Will host the International Case Conference and International Research Conference in January 2013

Financial Sustainability

- Retention of positive contribution and fundraising in school and university endowment
- High quality programmes and faculty
- Growth in undergraduate and Executive Development Programmes
Pakistan is beset with problems of increasing severity and complexity and we all wish someone would resolve them. But who are these problem-solvers going to be and what would they need to meet the challenge? Would it be possible to do so without an adequate understanding of history, sociology, psychology, anthropology, philosophy, economics, law and political science; without building on the wisdom that is recorded in diverse literatures; without creating the new knowledge that is needed in a changing environment? A structure is only as strong as its foundation and in Pakistan we have neglected the intellectual foundations for too long, at too high a cost.

The Mushtaq Ahmad Gurmani School of Humanities and Social Sciences (MGSHSS) at LUMS is an ambitious and farsighted attempt to repair this damage. It aspires to nurture the passionate and enlightened individuals who combine depth of knowledge with social sensitivity, intellectual humility, analytical creativity and critical thinking to effectively pursue the goal of a just, peaceful, cultured and prosperous Pakistan. It aims to prepare citizens who are firmly grounded in the reality of their society while remaining open to the best thinking from across the world. At the same time, it strives to provide motivated students with the opportunity to craft individualised majors responsive to their aesthetic and emotional needs.

LUMS is among the few institutions in the country that has the breadth of offerings, the depth of teaching and the capacity for original research to deliver on this promise to create a new generation of thoughtful and confident citizens.

The degrees offered at the School are BA, BA-LLB and BSc (Honours). Majors in BA include Humanities and History, while the BA-LLB is a 5 year programme in Law. BSc (Honours) majors include Anthropology/Sociology, Economics, Economics and Politics, Political Science and Political Science/Economics.

As in previous years, various achievements in the areas of academia and research took place at the School. Highlights include:

- A new major in History was launched and was well received. 17 history courses were taught during the year with almost 600 students attending the courses.
- An innovative course, Islam on the Indian Ocean Rim, was taught by Professor Ayesha Jalal. The course linked LUMS students with students at Tufts University in Massachusetts, USA via live video. New digital humanities tools to help visualise the emerging, historical, human geographies of the Indian Ocean world were used. This is the first course of its kind offered at LUMS.
- The Economics department is shifting core courses to PhD faculty whereas the Teaching Fellows teach their choice of electives.
- The Law department started a Judicial Clerkship programme, which enables students to work with various High Court Judges for a few months.
- The Economics faculty published 9 articles in peer refereed journals this year; there was one book publication and one chapter in an edited book; the faculty presented 6 papers in international refereed conferences out of which 5 were externally funded.
- In the Economics department, major grants were obtained from the UNICEF, IGC, World Bank, GDN and DFID.
- Syed Noman-ul-Haq won the prestigious Waldo G. Leland Prize for two chapters in The New Cambridge History of Islam (General Editor Michael A. Cook of Princeton University, 2011).
Future Plans and Challenges

- Attract more students committed to studying Humanities and Social Sciences
- Increase outreach to school students and parents to establish more awareness of career paths in the Humanities and Social Sciences
- Establish a clinical legal education programme
- The Law and Policy Department to become a separate School of Law
- Offerings in Urdu literature to be expanded
The Syed Babar Ali School of Science and Engineering (SBASSE) serves as a platform through which high quality education in selected areas of science and engineering is imparted to students. Our overarching goal is to produce outstanding scholars who are capable of finding innovative solutions to challenging problems. We expect our graduates to be passionate scientists and educators who are committed to improving the quality of human life through technology.

SBASSE offers undergraduate degrees in six majors: Biology, Chemistry, Computer Sciences, Electrical Engineering, Mathematics and Physics. The freshman curriculum is common for all students, comprising of core courses in mathematics, physics, chemistry, biology, and computer science. The purpose of a common `core curriculum' is that it strengthens fundamental concepts of science and gives students sufficient time to declare their majors. It is this interdisciplinary, ‘no boundaries’ focus which distinguishes SSE from other competing schools. Our multifaceted 21st century curriculum provides SSE undergraduates adequate breadth and depth in each of the majors, and positions them to pursue rapidly evolving areas that interface with other disciplines. Throughout the four years student learning takes place through lectures, tutorials, problem-solving, research and frequent interactions with experienced world-class faculty members.

SBASSE and LUMS have embarked on a promising new era of scientific research and education provided by the initiation of new graduate programmes in Fall 2012. New programmes introduced are MS in Electrical Engineering and PhD in Biology, Chemistry, Physics and Electrical Engineering. These new programmes have expanded upon SBASSE's palette of graduate programme offerings in Computer Science (MS and PhD) and Mathematics (PhD).

SBASSE's graduate coursework is designed to nurture and invigorate students' interest in their area of study as well as impart to them the most comprehensive information relevant to their degree. Those students pursuing research based degrees will be joining faculty members in rigorous interdisciplinary research focused on resolving issues pertaining to the environment, governance and healthcare as well as to general technological and scientific advancement.

With our resolute vision, excellent faculty, committed students and modern infrastructure that includes state-of-the-art classrooms and laboratories, SBASSE is poised to become a globally competitive leader in science and engineering research and education.

There were numerous student, faculty and research achievements that took place during the year 2011 – 2012. These included:

- New graduate programmes were introduced in Fall 2012. These were MS in Electrical Engineering and PhD in Biology, Chemistry, Physics and Electrical Engineering. The Computer Engineering degree will phase out to the Electrical Engineering degree.
- Usman Naseer, NOP scholar majoring in Physics, was selected for the Summer Research Programme at the European Organisation for Nuclear Research (CERN), Switzerland in April, 2012.
- Chemistry senior Zain Yousaf appeared in the GRE Subject test in Chemistry during Fall 2011 (the 7th semester of his undergraduate studies) and scored in the 92nd percentile.
- Twenty students from SSE's first ever graduating BS Class of 2012 were accepted in graduate programmes in renowned universities in Europe and USA.
- Muhammad Abdur Rauf is the second Computer Science senior to have received a job offer from Microsoft USA before graduation.
- A team of SSE faculty and students developed a high-tech landmine detection robot that won the NI Mine Detection Robot Design Contest held in Lebanon in late October 2011.
- Asadullah Naweed, a Computer Science major and an IEEE student member from Lahore, was declared the winner of the IEEE TryComputing.org lesson plan competition held in Los Alamitos, California on January 11, 2012.
Muhammad Ahmad Bashir and Muhammad Bilal Zafar, BS Computer Science students, won first prize at Softec 2012 for a project they developed during their senior year under the supervision of Dr. Umar Saif at the Neighbourhood for "Emerging-World" Technologist (NEWT) Lab, LUMS.

Biology students, Hina Iftikhar and Annum Munir secured second and fourth position respectively at a poster competition held at the 1st International Biophysics Symposium at NED University, Karachi on June 1 and 2, 2012.

The Department of Computer Science at the Syed Babar Ali School of Science and Engineering is offering summer internship programmes to students to engage them productively, gain relevant experience and to help them explore new research areas. The two month long internships commenced on June 1 and ended on July 31, 2012.

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**Research and Faculty Highlights**

- Dr. Basit Yameen from the Department of Chemistry was awarded a Research Fellowship from Alexander von Humboldt (AvH) Foundation, Germany.
- Faculty from the Department of Electrical Engineering, Dr. Shahid Masud and Dr. Nadeem Khan presented their research papers at the 37th IEEE International Conference on Acoustics Speech and Signal Processing (ICASSP) in Kyoto, Japan from March 25 to 31, 2012.
- An article by Dr. Hassan Abbas Khan, Department of Electrical Engineering, was published in the IEEE Journal of Quantum Electronics, in October 2011.
- At the Department of Physics, Dr. Tayyab Imran’s recent work demonstrated the generation of an intense beam of broad spectrum light. Dr. Imran’s research has been published in the Journal of Optics [Tayyab Imran and Goncalo Figueira, J. Opt., 14, 035201 (2012)].
- The Department of Physics, under Dr. Tayyab’s leadership, is starting a research focus area on laser engineering. Recently, the National Institute of Lasers and Optics (NILOP), Islamabad has lent a high-power nitrogen laser to the Department.
- The Spin Physics Group at the Department of Physics, SSE has drawn PKR 20 million as funding from the Higher Education Commission (HEC). Dr. Sabieh Anwar, Department of Physics is the P.I. for the research project.
- Dr. Amer Iqbal, Department of Physics has been awarded the "Abdus Salam Prize for Achievements in Science for Young Pakistani Scientists for Physics 2009."
- Dr. Aziz Mithani, Department of Biology delivered a talk at a workshop at Mathematical Biosciences Institute, Ohio State University.
- Dr. Irsahd Hussain, Department of Chemistry, delivered a series of lectures at King Abdullah University of Science and Technology (KAUST) and the Centre of Excellence in Nanotechnology (CENT). King Fahd University of Petroleum and Minerals (KFUPM) in May 2012.
- Dr. Tayyaba Asim, faculty at the Department of Chemistry presented her research work at the International Conference on Agricultural, Environment and Biological Sciences (ICAEBS 2012) held on May 26-27, 2012 in Phuket, Thailand.
- A three-day National Laboratory Immersion Programme was held and organized by the Department of Physics at the SSE.
• Faculty at the Department of Chemistry, Dr. Tayyaba Asim’s research paper was published in Key Engineering Materials on May 14, 2012.
• Dr. Asad A. Abidi’s workshop “Teaching the Teachers (A Concepts Workshop): “Electronic Circuits for Instrumentation & Measurement” was held at the SSE.
• Dr. Fakhar ul Inam, Department of Physics delivered a talk in a workshop organised by the Institut de Physique et Chimie des Matériaux de Strasbourg (IPCMS) from 4 to 6 June, 2012 at Strasbourg, France.
• Dr. Aziz Mithani, Department of Biology published his research focused on the effects of ionising radiations on DNA, in one of the leading scientific journals, Genome Research. The research was done in conjunction with the Department of Plant Sciences, University of Oxford.
• Dr. Muhammad Tariq, Chair, Department of Biology, along with Nimra Asi and Zain Umer (BS Biology 2012 students), participated as a speaker at an international meeting/workshop held in Almora, India under the aegis of TATA Institute of Fundamental Research (TIFR) & International Centre for Theoretical Sciences (ICTS), India.
• Dr. Falak Sher, Department of Chemistry has been awarded a research grant of PKR 11.82 million by the Higher Education Commission (HEC), Islamabad. This is one of the four multimillion research grants awarded to the chemistry faculty during the past one and half years.

Future Plans and Challenges

• Efficiently market graduate programmes
• Planning to launch additional graduate programmes in Fall 2013. Programmes that will be launched are MS in Biology, Chemistry, Physics and Mathematics
• More collaboration with industry and foreign research institutions for research and to acquire endowments, student jobs and internships
• Increase outreach activities and overall marketing effort
• Attract and admit quality students and faculty
• Uneven distribution of majors across the undergraduate student body. SBASSE houses 5 basic science departments and 1 engineering department. However, total undergraduate student enrollment is higher in the Electrical Engineering department than the science departments combined.
• Establish and introduce additional engineering programmes
LUMS plays a vital role in promoting scientific research and related activities. Its faculty is actively involved in a number of research areas including Environmental Sciences, Health Sciences, Agricultural Sciences, Biological Sciences, Computer/Information Technology, Electrical/Communication Engineering, Energy, Development, Business, and Economics.

The research activities of the LUMS faculty have been funded by local as well as international donor agencies including Higher Education Commission (HEC); National ICT R&D Fund; Pakistan Science Foundation; Environment Protection Agency; Centre for Earthquake Studies (CES); Cleaner Production Institute (CPI); Grand Challenges Canada (GCC); The Asia Foundation; International Water Management Institute (IWMI); UNICEF; IGC (International Growth Centre); Department for International Development - DFID; USAID-HEC Financial Aid Development; US Grants; and DAAD, Germany.

During the fiscal year 2011-2012, LUMS faculty initiated 46 research projects amounting to PKR 405 million, and won 6 grants worth PKR 16 million. During this period 31 international travel grants amounting to PKR 9.125 million were also processed. Three consultancy assignments of worth PKR 12.46 million were also executed during this duration. The research projects of the LUMS faculty are designed and executed, keeping in mind the socioeconomic needs of the country.

Syed Babar Ali
School of Science and Engineering

LUMS Technology for People Initiative
Dr. Sohaib Khan, Department of Computer Science
Funds: PKR 5.52 Million
Sponsor: Google

The Intelligent Telephony Access Point
Dr. Umar Saleem, Department of Computer Science
Funds: PKR 3.36 Million
Sponsor: Google

Partnership with Open Internet Network
Dr. Adil Najam
Funds: PKR 5.52 Million
Sponsor: Google

Towards Self-Managing Energy Systems in Buildings
Dr. Naveed Arshad, Dr. Jahangir Ikram, Department of Computer Science
Funds: PKR Million 12.958
Sponsor: ICT R&D Fund
Development of Protogenic Groups Containing Polymer Brush Modified Additives to Improve the Proton Conductivity of Polyelectrolyte Membranes for Fuel Cell Application
Dr. Basit Yameen, Dr. Sabyeh Anwar, Department of Chemistry
**Funds:** PKR 6.146 Million  
**Sponsor:** HEC

Molecular Characterization of Mixed Lineage Leukemia 5 (MLL5) gene in Drosophila
Dr. Muhammad Tariq, Department of Biology
**Funds:** PKR 9.23 Million  
**Sponsor:** HEC

Low Cost Ultrasound Training Stimulator
Dr. Naveed Arshad, Department of Computer Science
**Funds:** PKR 14.991 Million  
**Sponsor:** ICT R&D Fund

Revitalizing Irrigation in Pakistan
Dr. Abubakr Muhammad, Department of Electrical Engineering
**Funds:** PKR 9.890 Million  
**Sponsor:** IWMI

Groundwater Contamination Spread Monitoring Via Model Driven Data Assimilation
Dr. Abubakr Muhammad, Department of Electrical Engineering
**Funds:** PKR 3.067 Million  
**Sponsor:** EPA

Modeling and Control of Smoke/Ash Emission from Brick Kilns
Dr. Main Muhammad Awais, Dr. Asad Ullah Khan, Department of Computer Science
**Funds:** PKR 7.000 Million  
**Sponsor:** EPA

Hazardous Waste / Hospital Waste Management
Dr. Khalil Qureshi, Mr. Hafiz Asad Hamid, Department of Computer Science
**Funds:** PKR 3.300 Million  
**Sponsor:** EPA

A Combination of Magnetic Nanoparticles and Polymer Brushed: Towards Development of Magnetically Assisted, High Capacity and Efficient Metal Ion Contaminated Water Remediation Adsorbent
Dr. Basit Yameen, Department of Chemistry
**Funds:** PKR 9.056 Million  
**Sponsor:** HEC

MapReduce++: Simplified Processing of Unstructured Data on Large Computing Clouds
Dr. Umar Salif, Department of Computer Science
**Funds:** PKR 24.924 Million  
**Sponsor:** ICT R&D Fund
Low-Cost Information & Computing Technology for the Masses in Pakistan -
Dr. Umar Saif, Department of Computer Science
Funds: PKR 6.064 Million
Sponsor: HEC

AgriWSN: Wireless Sensor Networks for Agriculture -
Dr. Faisal Aslam, Dr. Zartash Afzal Uzmi, Department of Computer Science
Funds: PKR 0.500 Million
Sponsor: HEC

Design, Development and Integration Testing Of FlowIXP An Open Flow based Route Server for Internet Exchange Points (IXPs) based on Marvell xCAT/LION Platform -
Dr. Zartash Afzal Uzmi, Department of Computer Science
Funds: PKR 3.440 Million
Sponsor: Marvell

LUMS Smart Meters and Meter Data Management PoC -
Mr. Nauman Ahmad Zaffar, Department of Electrical Engineering
Funds: PKR 0.583 Million
Sponsor: Techlogix

LUMS Smart Meters and Meter Data Management PoC (Extension) -
Mr. Nauman Ahmad Zaffar, Department of Electrical Engineering
Funds: PKR 0.237 Million
Sponsor: Micro-Tech Industries (Private) Limited

Development of Polymer Functionalized Nanoparticles Based Adsorbents for High Capacity and Efficient Removal of Hazardous Metal ion from Contaminated Water -
Mr. Nauman Ahmad Zaffar, Department of Electrical Engineering
Funds: PKR 1.290 Million
Sponsor: Comstech Twas (Joint Research Grants Programme)

Optical Detection of Spin Phenomena -
Dr. Sabieh Anwar, Department of Physics
Funds: PKR 19.900 Million
Sponsor: HEC

Knot Link Invariants and Topological Strings -
Dr. Amer Iqbal, Department of Physics
Funds: PKR 0.866 Million
Sponsor: HEC

Development of Low-Field, Low Cost, Re-configurable NMR and MRI -
Dr. Muhammad Sabieh Anwar, Department of Physics
Funds: PKR 1.995 Million
Sponsor: Pakistan Science Foundation
Mushtaq Ahmad Gurmani
School of Humanities and Social Sciences

Written Test for Selection of Trade Officers 2012
Dr. Abid Burki, Department of Economics
Funds: PKR 2.691 Million
Sponsor: Government of Pakistan, Ministry of Commerce

Situation Analysis of Children and Women in Pakistan
Dr. Abid Aman Burki, Department of Economics
Funds: PKR 16.531 Million
Sponsor: UNICEF

Monitoring the Monitors: Using ICT to Improve Government Monitoring in Punjab, Pakistan
Dr. Ali Hussain, Department of Economics
Funds: PKR 6.527 Million
Sponsor: IGC

Mr. Usman Khan, Mr. Ahmad Rafay Alam, Department of Economics
Funds: PKR 1.530 Million
Sponsor: British High Commission, Islamabad

Pakistan-India Trade Literature Review
Dr. Syed Turab Hussain, Department of Economics
Funds: PKR 0.344 Million
Sponsor: Adam Smith International (ASI)

Education and Learning after the Pakistan Earthquake: Can the Children Recover
Dr. Ali Cheema, Department of Economics
Funds: PKR 14.480 Million
Sponsor: HEC

The Determinants Impact and Cost Effectiveness of Climate Change Adaption in Pakistan
Dr. Adil Najam, Vice Chancellor
Funds: PKR 43.500 Million
Sponsor: IDRC, Canada

Assessment of Student Critical Thinking Development
Dr. Anjum Altaf, Department of Humanities & Social Sciences
Funds: PKR 7.020 Million
Sponsor: PSSP

Supporting Transparency, Accountability and Electoral Processes Programme (STAEP)
Dr. Muhammad Waseem, Department of Humanities & Social Sciences
Funds: PKR 23.017 Million
Sponsor: The Asia Foundation
Clinical Legal Education Programme
Dr. Ali Qazi Bash, Department of Law & Policy
Funds: PKR 2.167 Million
Sponsor: Foundation Open Society Institute

Teachers Education Project: Second National Research Seminar
Dr. Farooq Naseer, Department of Economics
Funds: PKR 2.691 Million
Sponsor: Government of Pakistan, Ministry of Commerce

Teachers Education Project: Second National Research Seminar
Dr. Farooq Naseer, Department of Economics
Funds: PKR 3.616 Million
Sponsor: USAID

Trade with Africa Research
Dr. Kashif Z. Malik, Department of Economics
Funds: PKR 0.868 Million
Sponsor: BARCLAYS

SME Cluster Survey Fans Cluster Gujranwala / Gujrat
Usman Khan, Dr. Kamal Munir, Department of Economics
Funds: PKR 2.402 Million
Sponsor: State Bank of Pakistan
Suleman Dawood
School of Business

AMIDSA Regional Doctoral Fellowship Programme
Muhammad Shakeel Sadiq Jajja (PhD student)
Funds: PKR 0.415 Million
Sponsor: Foundation Open Society Institute
The Case Research Centre (CRC) is the case writing hub of Suleman Dawood School of Business (SDSB). It provides editorial and logistical facilities for the writing and publishing of cases authored by SDSB faculty. It has a database of more than 500 Pakistan specific cases/industry notes that are drawn from real life issues in organisations and experienced firsthand by the faculty through research or consultation. The Centre facilitates the arrangement of events, workshops and conferences which encourage and create awareness about the case method, its benefits, and state-of-the-art methodologies, within LUMS and also amongst the regional business school community. It publishes the Asian Journal of Management Cases (AJMC), a peer-reviewed journal that provides high-quality teaching material to academics, consultants and management developers, through cases and research on management practices in the socioeconomic context of developing Asian countries. CRC also participates in the procurement and dissemination of externally published cases through the European Case Clearing House (ECCH) and Harvard Business School (HBS), to provide SDSB faculty access to case studies from all of the major case producing management schools in the world.

HIGHLIGHTS OF THE YEAR INCLUDED:

1. Asian Journal of Management Cases September 2011 (Volume 8 No. 2) & March 2012 (Volume 9 No. 1) published in partnership with Sage Publications, India.

2. Proceedings of AJMC Conference 2011 published and disseminated amongst conference participants. This publication is a compilation of local and international case studies that were accepted for publication and/or presentation at AJMC Conference 2011 held in May of the same year.

3. 7 SDSB Faculty Roundtables successfully conducted with the aim of encouraging the case method form of teaching and writing case studies amongst the faculty. In these Roundtables work-in-progress case studies are peer-reviewed and discussed.

4. 24 case studies on various administrative disciplines were written by the SDSB Faculty and entered into the LUMS database.
   - 4 cases studies in Accounting and Finance
   - 6 case studies in Human Resource Management / Organisational Behaviour
   - 10 case studies in Production/Operations Management/Management Information Systems
   - 2 case studies in Family Business
   - 2 Industry Notes

5. Adoption of Open Journal Systems for efficient and transparent online submission and reviewing of case studies has been initiated.
HIGHLIGHTS OF THE YEAR INCLUDED:

- Dr. Faqir M. Bhatti, Associate Professor, Department of Mathematics was appointed as the Scientific Director of Centre for Advanced Studies in Mathematics (CASM) in October 2011.

- MoU signing between CASM and Third World Academy of Sciences (TWAS)-UNESCO, Italy in November, 2011, in order to facilitate the visits of mathematicians to CASM within the framework of the TWAS-UNESCO Associateship Scheme.

- A Chinese delegation visited CASM headed by Prof. Xia Ji-ting, President, Shandong Yingcai University visited the LUMS Centre for Advanced Studies in Mathematics (CASM). The delegates were briefed about the activities of the Centre and Dr. Sultan Sial, Head of the Department of Mathematics at LUMS talked about the Mathematics degree offered by the Department.

- CASM held various national and international seminars. During the course of each semester, talks and seminars were a frequent feature by the graduate students and professors on a wide array of topics in mathematics. The following seminars/talks were arranged:

  1) Interactive Decision Analysis Through Efficient Multi-objective Optimisation of Computationally Expensive Problems
     Taimoor Akhtar
     School of Civil and Environmental Engineering, Cornell University, US
     January 3, 2012

  2) The Polynomial Methods
     Uwe Schauz
     King Fahd University of Petroleum and Minerals, Saudi Arabia
     January 10, 2012

  3) On the Irreducibility of the Moduli spaces of line Arrangements
     Shaheen Nazir
     National University of Computer & Emerging Sciences (NUCES- FAST), Lahore
     February 3, 2012.

  4) Complex multiplication in the sense of Abel
     Professor Katsuya Miyake
     Tokyo Metropolitan University, Tokyo, Japan
     February 9, 2012

  5) Number theory: Challenges of Twenty first century
     Michel Waldschmidt
     Institut de Mathématiques de Jussieu [UMR CNRS] Paris, France
     February 10, 2012
6) Stanley Decompositions and Polarization  
   Serfraz Ahmad  
   COMSAT Institute of Information Technology, Lahore  
   March 7, 2012

7) Scalable, Parallel Poisson Solvers for CFD Problems  
   Muhammad Younas  
   University of Groningen, The Netherlands  
   March 27, 2012

8) Stanley Decompositions and Polarization  
   Aeyaz Jamil Kayani  
   University of Waterloo, Canada  
   June 19, 2012

CASM organised three workshops on Mathematical Modelling, Computational Techniques and Discrete Mathematics, namely:

1) Technical Workshop on System Validation  
   (In-collaboration with IEEE chapter Lahore)  
   April 10, 2012

2) Conference on Recent Advances in Graph Theory and Combinatorics  
   (in collaboration with Abdus Salam School of Mathematical Sciences, Lahore)  
   February 17-19, 2012

3) National Workshop On Mathematical Modeling and Information Technology for Health  
   (December 30-31, 2011)

Dr. Bhatti has completed a research project on Fermi and Rose Walks in collaboration with Prof. David Arrowsmith and Prof. John W Essam of University of London, UK. One of the outcomes of the project has been published in J. Phys. A: Math. Theor. 45 (2012) 225003, which is labelled as an A-category journal. The second paper on “Generating functions and duality for non-crossing walks on a plane graph” is an invited paper for a special volume of J. Phys. A: in honour of Prof. Fred Wu’s 80th birthday.
The Development Policy Research Centre (DPRC) has been able to get projects and funding worth more than PKR 100 million to conduct contract research for donors, multi-laterals, bi-laterals, institutions and the government. DPRC faculty is also working with the private sector government policy makers to inform policy decisions on Pakistan – India trade and the post MFN regime.

Some highlights of the year 2011 – 2012 included:

- The hosting of a World Bank lecture on January 11, 2012 on regional integration in South Asia, preceded by a brief presentation on the global economy. Discussion included Pakistan’s trade relationship with not only India but other countries in the region too.

- A panel discussion titled ‘Global Nuclear Disarmament and the Nuclear Race in South Asia’ was organised under the DPRC Panel Discussion Series on December 20, 2011. Panelists included Dr. Pervaiz Hoodbhoy, Moeed Yusuf and Dr. Abdul Hameed Nayyar.

- DPRC, in collaboration with DFID arranged a meeting of entrepreneurs, academics, microfinance professionals and Mr. Gavin McGillivray, Head of Private Sector Department, DFID London. The meeting was held on December 8, 2011 and the agenda was to discuss SME/jobs related investment challenges and opportunities in Pakistan. A presentation was also made on ‘Investment challenges and Opportunities in Pakistan’.

Other seminars and workshops were also held throughout the year and included:

- A lecture titled “Right and Wrong Ways of Addressing the Energy Challenge” by Tariq Banuri on February 17, 2012

- A roundtable on Human Development was held on February 06, 2012

- A talk titled “Pre-analysis Plan for ‘Monitoring the Monitors: Using Information and Communication Technology to Improve Governance in Punjab, Pakistan” was delivered by Saad Gulzar and Yasir Khan on December 12, 2011

- A lecture on “Politics of China” by Sundus Ali of Nuffield College, University of Oxford was held on December 15, 2011

- A talk on “Consumption and Social Identity: Evidence from India” by Zahra Siddique took place on August 04, 2011
During the 2011-12 term, Raising Executive Development Centre (REDC) continued to create linkages between academia and industry, developing learning opportunities for all involved. With an aim to anticipate and embrace changing trends in the industry, the centre established and built strategic partnerships with leading corporate and public sector enterprises.

REDC programmes concluded the year with 2,749 participants from 24 different industry sectors with 50 programmes spread over 420 days.

Open Enrollment

Programmes - High Impact & Relevant

REDC conducted 25 Open enrollment programmes during FY 2011-12. Five new programmes were developed during this period.

- From Family to Corporate: A programme on family-run businesses, a pioneering effort in this area received participation from eleven family boards from varied industry and geographic sectors.

- Strategic Innovation Management, a C-Suite executive programme for senior executives received participation from eighteen leading corporations.

- Creating Value for Marketing and Leading Effective Sales force were new programmes developed in the area of marketing.

- A new general management programme for retail sector: Strategic Planning & Development in Modern Retail was participated by leading retail brands in the country.

- REDC's flagship Management Development Programme (MDP) offered in November 2011 was appreciated for its rigour and commitment to excellence.
PROGRAMMES
SHOWCASING LOCAL CONTENT

In 2011, REDC launched its Content Development Initiative with an aim to strengthen programme content and aligned to real challenges. The initiative produced three new local cases and three new open programmes in areas of family-run-businesses, Retail and Innovation. The project not only created immense value mobilising faculty interest and commitment to develop unexplored areas, but also generated recognition for LUMS ability to develop relevant content and programmes.

Partnering
with Industry Leaders

Concurrent with the enrichment in the Open programmes, was favorable growth in organisation focused programmes. This year 25 Organisation Focused Programmes were conducted for different organisations.

- Public leadership and government programmes were developed for Federal Board of Revenue, Lahore Electric Supply and National Highway Authority
- REDC established key linkages with leading organisations in fertilizer, engineering, FMCG, Food & Beverages and financial sectors
- A customised Management Development Programme (MDP) was developed for an International telecommunications company for its three counterparts in Thailand, Bangladesh and Pakistan. This was conducted as a regional programme in REDC during June 2012.
Various activities were held by the SEDC during 2011-2012. These included:

**Trainings under HELP Project**

- Social Sector Project Management (July 20-22, 2011)
- Results Based Management (RBM) (October 12-14, 2011)
- Qualitative Research for Social Sector Initiatives (QRSSI) (November 28-30, 2011)
- Strategic Management of Social Sector Enterprises (SMSE) (December 21-23, 2011)
- Budgeting and Financial Management in Social Sector Organisations (March 28-30, 2012)
- Integrated Project and Portfolio Management (June 13-15, 2012)

**National Leadership for Reproductive Health and Development (NLRHD) Project**

SEDC-LUMS in collaboration with The David and Lucile Packard Foundation has undertaken a National Leadership for Reproductive Health and Development Project (NLRHD). The project aims to establish and foster authentic, inclusive cross-sectoral linkages among women leaders to advocate and mobilise sector specific policy change for family planning and reproductive health initiatives.
NWLN Planning Phase Completed

SEDC had successfully completed the Planning phase of the National Women’s Leadership Network Development. A Project Advisory Committee had been formed in August 2011, comprising of government sector employees, social sector reproductive health experts, representatives from The David and Lucile Packard Foundation and LUMS Faculty.

First Quarter Report of HELP

The first quarter report of the NLRHD Project had been prepared and submitted to the David and Lucile Packard Foundation.

SEDC Newsletter

The newsletter has been printed again after three years. This covers the activities from year 2009 to date.

Networking Brochure

A project brochure had been designed and printed covering all details of the HELP project and activities planned till 2013. A training calendar had also been added, including all trainings planned from 2011 to 2013.

Database Management

The SEDC Fellows database had been updated for use in current and future marketing of training programmes.

Sectors of Intervention for the NLRHD Project (2012)

It was decided by the Project Advisory Committee members, the success indicator of the NLRHD project will be to access sectors/industries that had been inaccessible for Reproductive Health practitioners with large number of women as employees and/or high RH problems. The following sectors had been selected as the potential target sectors:

1. Football Industry
2. Textile Industry
3. Livestock Sector

Documents were prepared by SEDC staff defining the sectors, their role in the Pakistan and policies existing on health and reproductive health in the respective sectors. LUMS alumni were contacted and brief write-ups prepared about their sectors. The network activities are being supported by the sector specific strategy papers proposing approaches to incorporate FPRH in their CSR agendas for the betterment of their workers’ health.

The following major activities/tasks were also accomplished during the month of June 2012

- Integrated Project and Portfolio Management Programme was delivered.
- Negotiations with Strategic Working Group members of NLHRD were conducted.
- SEDC participated in a Policy Dialogue organised by Shirkat Gah:
- SEDC took part in a meeting with the Population Welfare Department, GOP.
This programme broadly involved scoping, planning, organising, securing and managing resources to bring about the successful completion of specific project goals and objectives.

**Citi-LUMS Project**

**National Financial Literacy Workshop for Youth**

LUMS-SEDC held a three day workshop from 22-24 July, 2011. It was held under the umbrella of the "Living Literacy, Changing Lives: Citi-LUMS Youth Initiative". The project aims to inculcate the youth with basic understanding of saving and investing, enabling them to efficiently manage their finances and cope with tough financial decisions.

**Role of Universities in Socio-Economic Development through Enhancing Employability of their Graduates Project**

Citi Pakistan and the Social Enterprise Development Centre at LUMS are collaborating on a capacity building project, which aims to create stronger linkages between higher education institutions and the industry. The project seeks to achieve this objective by analysing current approaches of Pakistani universities towards facilitating industry collaboration with their institutions. The project also aims to identify ways in which the relevance of education being imparted at these institutions can be enhanced to enable them to develop young people who have a more positive socio-economic impact, especially an increased earning potential.

**Activities Accomplished under Citi Project**

Data was collected, analysed and sent for review/feedback by the respective institutions through field visits to universities in Karachi, Faisalabad, Taxila and Sukkar. The universities in respective cities were visited. These included the University of Management and Technology (UMT), Foundation for Advancement and Technology (FAST) and University of Engineering and Technology (UET) in Lahore and Fatima Jinnah Women University, National University of Sciences and Technology (NUST) and COMSATS Institute of Information and Technology (CIIT) in Islamabad. Information required to fill out the questionnaire was obtained through detailed interviews with the senior management of the universities. Short reports have been prepared on the best practices being followed by the universities to become more closely engaged with their community and the industry. These reports have been sent to the respective universities for their feedback.
The snapshot of activities during the year at the Strategic Sector Research Centre (SSRC) included the following:

1. Draft documents of strategic plans for SSRC and research at SDSB


3. Annual Faculty Research Newsletter exhibiting output of:
   a) 14 journal articles, 4 book chapters, and 14 conference papers by SDSB Faculty
   b) 1 journal article, 1 book chapter, and 13 conference papers by PhD Management students

4. Recommendations on journal rankings to be adopted by SDSB

5. Monthly Research Seminars

   As part of the Faculty Research Seminar series at the SDSB, six research seminars were organised:
   a) The Core Functions of Leadership by Dr. Ghulam Ahmad
   b) Methodological Developments in Manufacturing Strategy by Dr. Kamran Ali Chatha
   c) Bank Competition and Consumer Welfare by Dr. Tanveer Shahzad
   d) What Drives the Quality of Institutions in Asian Economies? Directions for Economic Reforms by Dr. Nadeem Javed
   e) Military, ‘Managers’ and Hegemonies of Management Controls: A Critical Realist Interpretation by Dr. Junaid Ashraf
   f) Trust Violation and Recovery Dynamics in Leader-Follower Relationship by Dr. Samina Quratulain

6. Guest Speaker Sessions

   As part of the Guest Speaker Session series, two sessions were organised:
   a) GEM Pakistan 2012 Report, by Dr. Sarfraz Man, School of Business, State University of New York
   b) How to Make Academic Publications? by Dr. Stephen E. Condrey, President-Elect of the American Society for Public Administration (ASPA)

7. Interacting with Higher Education Commission and submitting proposals for research grants and conference travel grants

8. Encouraged faculty to submit proposals for travel grant

9. Encouraged faculty to submit proposals for Faculty Initiative Funds
Academic Highlights

The Centre offered six courses of Urdu Literature, two of Arabic, two of Persian and a bilingual course on Jalaluddin Rumi. The following courses were offered:

**Fall 2011-12**

- LITR 251 Urdu Poetry in the Post Iqbal Period  
  Yasmeen Hameed
- LITR 254 Iqbal's Urdu Poetry  
  Moeen Nizami
- LITR 255 Ghalib and his Poetry  
  Noman ul Haq
- LITR 256 Urdu Afsana: Manto, Bedi and Ghulam Abbas  
  Zia ul Hassan
- SS 124 Arabic I  
  Yusuf Siddiq
- SS 127 Persian I  
  Athar Masood

**Spring 2011-12**

- LITR 150 An Introduction to Urdu Literature  
  Yasmeen Hameed
- LITR 252 The Purest Pearl: Poetry of Maulana Jalaluddin Rumi  
  Madiha Shaukat
- LITR 259 Classical Urdu Prose  
  Zia ul Hassan
- SS 124 Arabic I  
  Yusuf Siddiq
- SS 127 Persian I  
  Athar Masood

A total number of 456 students took these courses.
Research/Publication Highlights

- The Gurmani Centre for Languages and Literature has published ‘NUMOD’, the first ever Urdu literary magazine of students at LUMS. The writings include essays, creative prose and poetry, a renowned writer’s interview and a section from world literature.

- An official launch ceremony was held for the Urdu journal Bunyaad, which is a publication of the Gurmani Centre for Language and Literature at LUMS. The ceremony was attended by numerous academics and prominent literary figures and supporters of the Centre, including well-known writers like Intizar Husain, Fehmida Raz, Sarmad Sehbal, Ghulam Husain Saajid, Khalid Ahmad and Dr. Tabassum Kashmiri among others. Also in attendance were Begum Aftaba Amirullah and Begum Khalida Ghazanfar of the Gurmani family, whose generous donation to LUMS helped establish the Gurmani Centre.

- Three issues of the research journal Bunyaad were published in September 2011, February 2012 and June 2012. Dr. Noman-ul-Haq was the editor. The Bunyaad issues have been making waves in the literary circles since it came out. Articles by established literary personalities including Tabassum Kashmiri, Mahmood-ul-Hasan Bazmi, Dr. Zia-ul-Hasan, Raza Rumi, Shamsur Rahman Faruqi, Muhammad Umer Memon, Khorshid Rizvi, Moeenuddin Aqeel, Asif Farrukhi and Mahmudul Hasan Bazmi have been published in the magazine.

Event Highlights

Conference Commemorating Manto

A one-day conference titled “Naya Urdu Afsana” on April 7, 2012 was organised to commemorate Urdu writer Saadat Hasan Manto on his centenial. The guests were invited from Delhi, Karachi, Islamabad and Lahore. Dr. Shamim Hanafi was the guest from Delhi whereas other participants included Intizar Husain, Bano Qudsia, Masood Ashar, Dr. Atiya Syed, Dr. Ayesha Jalal, Dy. Syed Noman-ul-Haq, Dr. Furrukh Khan, Mirza Athar Baig and Amjad Tufail from Lahore; Asad Muhammad Khan, Mubeen Mirza and Asif Farrukhi from Karachi; and Dr. Rasheed Amjad, Dr. Anwar Ahmed, Hameed Shahid and Dr. Najeeba Arif from Islamabad.

Halqa-e Danish Fall 2011-12

Eleven weekly lectures on “Women Writers of Urdu, Persian and Arabic” were conducted during Fall 2011-12.

1. Qurrat al-ain Tahir
2. Zebunnisa Makhfi
3. Rabia Khudzari
4. Khansa
5. Rabia Basri
6. Women Writing in Urdu before the Twentieth Century
7. Mahasti Ganjavi
8. Lalla Arifa and Habba Khatun
9. Mira Bai
10. Women Writers in the Western Tradition before the Twentieth Century
11. Contemporary Women Writers

Speaker: Dr. Noman-ul-Haq
Speaker: Dr. Athar Masood
Speaker: Dr. Moeen Nizami
Speaker: Dr. Khurshid Rizvi
Speaker: Ahmed Javed
Speaker: Yasmine Hameed
Speaker: Dr. Tahseen Firaqi
Speaker: Dr. Yusuf Bokhari
Speaker: Iftikhar Aref
Speaker: Iffat Seeed
Speakers: Zaheda Hina and Shahida Hasan
Halqa-e Danish Spring 2011-12

Nine weekly sessions were conducted on the Urdu short story in Spring 2011-12. Eight Urdu short story writers were read and discussed during these sessions.

1. Guest: Shahnaz Aijazuddin  
2. Guest: Mirza Ather Baig  
3. Guest: Dr. Farrukh Khan  
4. Guest: Amjad Tufail  
5. Guest: Dr. Nasir Abbas Nayyar  
6. Guest: Mahmood Gilani  
7. Guest: Mirza Athar Baig  
8. Guest: Dr. Zia-ul-Hassan  
9. Guest: Dr. Syed Noman-ul-Haq  

Text from Tilism-e Hoshrubā  
Short story / Enver Sajjad  
Short story / Intezar Husain  
Short story / Khalida Husain  
Short story / Rasheed Amjad  
Short story / Mirza Athar Baig  
Short story / Nayar Masood  
Short story / Asad Muhammad Khan  
Short novel / Abdul Halim Sharar

Guest Lectures

- Lecture on 'Iqbal’s Vision' by Justice Javed Iqbal in Dr. Moeen Nizami’s Persian class on November 22, 2011.
- Lecture by Prof. Ghulam Husain Sajjad on ‘Modern Urdu Nazm’ in Yasmeen Hameed’s class on December 13, 2011.
- Lecture by Dr. Jamila Shaukat on ‘Impact of Arabic on Islamic Culture’ in Dr. Yusuf Siddiqi’s Arabic class on February 01, 2012.
- Lecture by Dr. Shamim Hanfi on ‘Why Do We Study Literature?’ (Ham Adab Kyun Parhte Hain) on April 10, 2012.

Faculty Achievements

- Yasmeen Hameed, Coordinator, Gurmani Centre and Writer in Residence (Urdu Literature), Department of Humanities and Social Sciences at LUMS, received the Literary Excellence Award for her book ‘Pakistani Urdu Verse’.
- Ahmed Bilal Awan's PhD thesis submitted to the G.C University. His topic is Falsafiyān Mauzūt Par Urdu Kutub.
# Student Medals

## MEDALS – JUNE 2012

### MBA Programme

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<tr>
<th>Name</th>
<th>Award</th>
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<tr>
<td>Salman Vigar Ahmed</td>
<td>NMF Gold Medal – Overall 1st Position &amp; Dean’s Honour List</td>
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<tr>
<td>Khurram Merchant</td>
<td>NMF Silver Medal – Overall 2nd Position &amp; Dean’s Honour List</td>
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<td>Muhammad Bilal Chaudhry</td>
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<td>Fahd Arif Sheikh</td>
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<td>Jibran Arshad Chughtai</td>
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<tr>
<td>Ahsen Altaf</td>
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<tr>
<td>Umer Qadir</td>
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<td>Farwah Ahmed</td>
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<td>Masud Anwar</td>
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<td>Haris Bin Javed</td>
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<tr>
<td>Muhammad Mobeen Aimal</td>
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### Medal

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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Farwah Ahmed</td>
<td>Aftab Associates Medal for the ‘Consumer Behaviour and Market Research’ course</td>
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<tr>
<td>Noman Ul Haq</td>
<td>Al-Khair Group Medal for the ‘Business Development and Strategy’ course</td>
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<td>Muhammad Mobeen Aimal</td>
<td>Citibank Medal for the ‘Financial Derivatives’ course</td>
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<td>Jibran Arshad Chughtai</td>
<td>Crescent Group Medal for the ‘Operations Management’ course</td>
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<td>Fahd Arif Sheikh</td>
<td>HUM TV Medal for the ‘Advertising and Promotions Management’ course</td>
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<tr>
<td>Saif Khan</td>
<td>Kamera Kraft Medal for the ‘Managerial Communication’ course</td>
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<td>Khurram Merchant</td>
<td>Nestle Medal for the ‘Marketing Management’ course</td>
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<td>Khurram Merchant</td>
<td>Standard Chartered Bank Medal for the ‘Financial Management’ course</td>
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<td>Muhammad Mobeen Aimal</td>
<td>Askari Commercial Bank for the ‘Commercial Banking’ course</td>
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<tr>
<td>Haris Bin Javed</td>
<td>Mohammad Ali Tariq Memorial Medal for the ‘Entrepreneurship’ course</td>
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### Executive MBA Programme

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<tr>
<td>Adeel Ahmed</td>
<td>NMF Gold Medal – Overall 1st Position &amp; Dean’s Honour List</td>
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<tr>
<td>Muhammad Hidayat</td>
<td>NMF Silver Medal – Overall 2nd Position &amp; Dean’s Honour List</td>
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<td>Syed Umar Farooq</td>
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### MS in Computer Science Programme

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<td>Zaeem Asif</td>
<td>NMF Gold Medal - Overall 1st Position &amp; Dean’s Honour List</td>
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<td>Zoya Arif</td>
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<td>Muhammad Bilal</td>
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<td>Adnan Ahmad</td>
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<td>Sidra Hague</td>
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<td>Muhammad Omer Ashfaq</td>
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<td>Ahmer Arif</td>
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### MS in Computer Engineering Programme

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<tr>
<td>Zahaib Akhtar</td>
<td>NMF Gold Medal - Overall 1st Position &amp; Dean’s Honour List</td>
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<tr>
<td>Nasir Jamal</td>
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<tr>
<td>Wajeha Khan</td>
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<tr>
<td>Amara Tariq</td>
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<td>Nauman Shahid</td>
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### MSc Economics Programme

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<tr>
<td>Rubab Tayab</td>
<td>NMF Gold Medal - Overall 1st Position (tied) &amp; Dean’s Honour List</td>
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<tr>
<td>Minahil Zafar</td>
<td>NMF Gold Medal - Overall 1st Position (tied) &amp; Dean’s Honour List</td>
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<td>Afaaf Afzal</td>
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<tr>
<td>Sahar Shah</td>
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### BA-LL.B Programme

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<tbody>
<tr>
<td>Aisha Ahmad</td>
<td>Gold Medal - 1st Position Law &amp; Dean’s Honour List</td>
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<td>Dina Aslam Makhdum</td>
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<tr>
<td>Maria Farooq</td>
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# Student Medals

## BSc (Honours) Programme

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<tr>
<td>Muhammad Usama</td>
<td>NMF Gold Medal - Overall 1st Position; Gold Medal - 1st Position Electrical Engineering &amp; Dean's Honour List</td>
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<tr>
<td>Khadija Zeb</td>
<td>NMF Silver Medal - Overall 2nd Position (tied); Gold Medal - 1st Position Economics (tied) &amp; Dean's Honour List</td>
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<tr>
<td>Ahmad Bilal Asghar</td>
<td>NMF Silver Medal - Overall 2nd Position (tied) &amp; Dean's Honour List</td>
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<tr>
<td>Hunain Mandivia</td>
<td>Gold Medal - 1st Position Accounting &amp; Finance &amp; Dean's Honour List</td>
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<tr>
<td>Aamna Mobashar</td>
<td>Gold Medal - 1st Position Economics (tied) &amp; Dean's Honour List</td>
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<td>Muhammad Hasn Yousaf</td>
<td>Syed Zahoore Hassan Medal for best NOP Student; Gold Medal - 1st Position Mathematics &amp; Dean's Honour List</td>
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<td>Amna Chaudhry</td>
<td>Gold Medal - 1st Position Political Science &amp; Dean's Honour List</td>
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<td>Anum Naeem Dilawar Khan</td>
<td>Gold Medal - 1st Position Anthropology/Sociology &amp; Dean's Honour List</td>
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<td>Zain Umar</td>
<td>Gold Medal - 1st Position Biology &amp; Dean's Honour List</td>
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<td>Zain Yousaf</td>
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<td>Maisam Jaffer Ali</td>
<td>Gold Medal - 1st Position Computer Science &amp; Dean's Honour List</td>
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<td>Sara Kazmi</td>
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<tr>
<td>Syeda Nayab Fatima Abdi</td>
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<tr>
<td>Saman Hussain</td>
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<td>Ahlam Saeed</td>
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<td>Rabiya Rashid</td>
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<tr>
<td>Jaleel Hamid</td>
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<td>Anum Shaheen</td>
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<tr>
<td>Mehek Abraam</td>
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<tr>
<td>Abdul Rehman Shabhir</td>
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<tr>
<td>Uzair Azmat</td>
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<tr>
<td>Ammar Ahmed Khan</td>
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<tr>
<td>Maryam Amjad</td>
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<td>Rida Amjad</td>
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<tr>
<td>Kamil Ahsan</td>
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<td>Wafa Shaukat Veljee</td>
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<td>Mahieh Maqad</td>
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### Student Medals

<table>
<thead>
<tr>
<th>Name</th>
<th>Award</th>
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<tbody>
<tr>
<td>Fahad Rahulm</td>
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<tr>
<td>Zain Abbas</td>
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<tr>
<td>Aneeq Zia</td>
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<td>Khadija Noor Afzal</td>
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<td>Sidra Ilyas</td>
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<td>Rafiq Abdul Rehman Lightwala</td>
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<tr>
<td>Ahsan Khawar</td>
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<td>Zara Salman</td>
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<td>Talal Ahmed</td>
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<td>Amriyal Hussain Ali Parpia</td>
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<td>Alina Rashid</td>
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<td>Shahnawaz Khalid</td>
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<tr>
<td>Ormer Majid Mir</td>
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<tr>
<td>Haidar Tariq</td>
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<td>Syed Nasir Abbas Rizvi</td>
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<tr>
<td>Maria Qureshi</td>
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<td>Muhammad Imran</td>
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<td>Syed Moazzem Hassan</td>
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<td>Muhammad Ahmed Riaz</td>
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<td>Ali Aziz</td>
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<tr>
<td>Aleeza Rasool</td>
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<tr>
<td>Myra Ejaz</td>
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<td>Fahad Iqtedar Mir</td>
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<td>Ahmer Ibrahim</td>
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<tr>
<td>Mohammad Ali Raahim</td>
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<td>Muhammad Ammar Hassan</td>
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<td>Haris Javeed Raja</td>
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<td>Kamal Majee</td>
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<td>Muhammad Kafeel Zaheer</td>
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<td>Muhammad Usama Bin Sikandar</td>
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<td>Muhammad Bilal Zafar</td>
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<tr>
<td>Sana Kamran</td>
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<td>Manizeh Dossa</td>
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<td>Asadullah Naweed</td>
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<tr>
<td>Tayeba Batool</td>
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<td>Qurat-ul-Aym Ashraf</td>
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<td>Muhammad Hassan</td>
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<td>Ahmed Mobeen Piracha</td>
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<td>Saman Imtiaz</td>
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<td>Zohra Nasir</td>
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<td>Anam Ejaz</td>
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<tr>
<td>Zeeto Shamshad Wadiwalla</td>
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<tr>
<td>Talha Naushad</td>
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<tr>
<td>Zaaern Azhar Khan</td>
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<tr>
<td>Muhammad Junaid Amin</td>
<td>Dean's Honour List</td>
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</tbody>
</table>
### Donors & Donations

#### Funds Raised in the Past 5 Years

<table>
<thead>
<tr>
<th>Year</th>
<th>2007-2008</th>
<th>2008-09</th>
<th>2009-10</th>
<th>2010-11</th>
<th>2011-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Funds Raised (in PKR)</td>
<td>179,917,865</td>
<td>164,678,397</td>
<td>192,488,620</td>
<td>199,526,826</td>
<td>188,053,458</td>
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<tr>
<td>Funds Raised for NOP (in PKR)</td>
<td>14,700,722</td>
<td>66,545,815</td>
<td>66,354,170</td>
<td>112,434,032</td>
<td>136,805,587</td>
</tr>
</tbody>
</table>

#### National Outreach Programme (NOP)

Funds Raised in Past 5 Years
Donors & Donations

Total number of donors (alumni, students, parents, corporations, foundations, and friends) who have made gifts to LUMS

Approx. 1000

Amount raised during Ramazan last year

PKR 2,345,749

NOP Related Statistics

Total amount raised for the National Outreach Programme (NOP) during the period 1 July, 2011 to 30 June, 2012

PKR 136,805,587

Total number of NOP graduates so far

Approximately 150

Number of Benefactors
34

Number of Patrons
34

Number of Guardians
6

Number of Supporters
13

Number of Alumni Class Gifts
15

Inducted NOP Scholars
Summary of Last 3 Years Financial Results

(Rupees in ‘000’)

<table>
<thead>
<tr>
<th>Years</th>
<th>FY 2009-10</th>
<th>FY 2010-11</th>
<th>FY 2011-12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sources</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scholarship Grants</td>
<td>77,785</td>
<td>81,439</td>
<td>96,432</td>
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<tr>
<td>Tuition Fee</td>
<td>807,465</td>
<td>1,037,528</td>
<td>1,338,796</td>
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<tr>
<td>Executive Development Programmes</td>
<td>129,282</td>
<td>135,106</td>
<td>159,373</td>
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<tr>
<td>Sponsored Project Revenue</td>
<td>71,255</td>
<td>79,875</td>
<td>224,358</td>
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<tr>
<td>Consultancy Fee</td>
<td>12,772</td>
<td>9,472</td>
<td>4,635</td>
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<tr>
<td>Return on Investment</td>
<td>27,594</td>
<td>52,670</td>
<td>88,858</td>
</tr>
<tr>
<td>Cafeteria Income</td>
<td>51,064</td>
<td>66,576</td>
<td>74,119</td>
</tr>
<tr>
<td>Other Income</td>
<td>132,307</td>
<td>147,527</td>
<td>258,038</td>
</tr>
<tr>
<td><strong>Gross Operating Receipts</strong></td>
<td>1,309,524</td>
<td>1,610,193</td>
<td>2,244,605</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Utilization</th>
<th></th>
<th></th>
<th></th>
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<tbody>
<tr>
<td>Salaries &amp; Instructional Support</td>
<td>604,196</td>
<td>693,742</td>
<td>688,611</td>
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<td>Advertisements</td>
<td>13,052</td>
<td>16,837</td>
<td>2,980</td>
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<tr>
<td>Supplies &amp; Services</td>
<td>143,449</td>
<td>154,734</td>
<td>162,008</td>
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<tr>
<td>Utilities</td>
<td>97,703</td>
<td>118,406</td>
<td>151,523</td>
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<tr>
<td>Depreciation / Amortization</td>
<td>126,652</td>
<td>120,331</td>
<td>117,594</td>
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<tr>
<td>International &amp; Local Travel</td>
<td>28,479</td>
<td>20,260</td>
<td>17,335</td>
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<td>Estate Management</td>
<td>37,585</td>
<td>31,057</td>
<td>27,050</td>
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<tr>
<td>Training, Research &amp; Development</td>
<td>71,830</td>
<td>101,627</td>
<td>244,823</td>
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<tr>
<td>Scholarship &amp; Fee Waivers</td>
<td>273,133</td>
<td>348,537</td>
<td>328,014</td>
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<tr>
<td>Miscellaneous Expenses</td>
<td>58,162</td>
<td>64,550</td>
<td>42,216</td>
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<tr>
<td><strong>Total Operating Expenses</strong></td>
<td>1,450,241</td>
<td>1,670,081</td>
<td>1,807,434</td>
</tr>
</tbody>
</table>

| Capital Expenditure | 162,750 | 137,253 | 154,098 |
| Net Surplus / (Deficit) | (303,467) | (197,141) | 283,074 |

Note: Corresponding figures have been re-arranged & changed, wherever necessary, for the purpose of comparison.

Revenue & Expenditure GROWTH

(Rupees in ‘000’)

<table>
<thead>
<tr>
<th>Years</th>
<th>Revenue</th>
<th>Expenses</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009-10</td>
<td>1,309,524</td>
<td>1,450,241</td>
</tr>
<tr>
<td>2010-11</td>
<td>1,610,193</td>
<td>1,570,081</td>
</tr>
<tr>
<td>2011-12</td>
<td>2,244,605</td>
<td>1,807,434</td>
</tr>
</tbody>
</table>
University Operating REVENUE (FY 2011-12)
(Rupees in ‘000’)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scholarship Grants</td>
<td>96,432</td>
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<tr>
<td>Return on Investment</td>
<td>88,858</td>
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<tr>
<td>Cafeteria Income</td>
<td>74,119</td>
</tr>
<tr>
<td>Other Income</td>
<td>258,033</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>2,244,605</strong></td>
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University Operating Revenue (FY 2011-12)

**Expenses for the FY 2011-12**

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Salaries &amp; Benefits</td>
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<td>Advertisements</td>
<td>7,980</td>
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<tr>
<td>Supplies &amp; Services</td>
<td>182,008</td>
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<tr>
<td>Utilities</td>
<td>151,523</td>
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<tr>
<td>Depreciation</td>
<td>117,594</td>
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<td>International &amp; Local Travel</td>
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<tr>
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<td><strong>Total</strong></td>
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