

By the grace of Allah, MAJU continues its journey with all glory and excellence. Its faculty members are highly motivated and target-oriented; busy in academic and R&D activities; encouraging students in academic and co-curricular activities. Students are determined and energetic; responding positively to the responsibilities assigned to them by the university as well as life in general; all these are colors of life at MAJU. This magazine is an attempt to portray glimpses of those colors. I would like to convey my heart-felt gratitude to my team members for their support and untiring efforts.

Newsletter Team

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It seems appropriate to grace this page with the golden words of two great personalities; one the greatest in mankind and the other greatest in Pakistan history. The words that I have honor to include here are the guidelines to make our lives successful and peaceful. Hazrat Muhammad (PBUH) said in his last sermon on 9th Zil-Haj, 10 Hijrah:

☆.....”لوگو! اللہ کا ارشاد ہے کہ انسانوں! ہم نے تم کو ایک ہی مرد اور عورت سے پیدا کیا اور تمہیں عاصوں اور قبیلوں میں بانٹ دیا تاکہ تم پہچانے جا سکو۔ تم میں زیادہ عزت اور کرامت والا اللہ کی نظر میں وہی ہے جو اللہ سے زیادہ ڈرنے والا ہے۔“

☆.....”لوگو! تمہارے غلٹا دہل اور عزتیں ہمیشہ کیلئے ایک دوسرے پر قلمحرام کر دی گئیں۔ ان چیزوں کی اہمیت ایسی ہے جیسی تمہارے اس دانا کی اور مبارک بھیند (دوا لہجہ) کی خالص کراس شہر میں ہے۔ تم سب اللہ کے حضور پیش ہو گے اور وہ تم سے تمہارے مال کی باز پرس فرمائے گا۔“

Quaid-i-Azam while addressing the students at Islamic College Peshawar on 12th April 1948 said: “My young friends, I look forward to you as the real makers of Pakistan, do not be exploited and do not be misled. Create amongst yourselves complete unity and solidarity. Set an example of what youth can do. Your main occupation should be in fairness to yourself, to your parents, in fairness to the State, to devote your attention to your studies. If you fritter away your energies now, you will always regret.”

May Allah give us Taufeeq to be on right path. Ameen.

Editor's Note

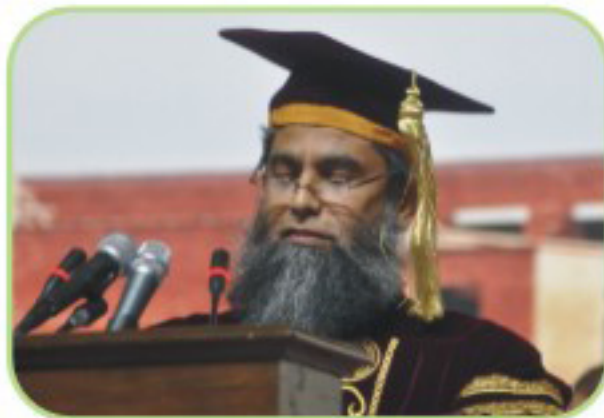
MAJU Holds 8th Convocation at Convention Center Islamabad

The 8th convocation of Muhammad Ali Jinnah University, Islamabad campus took place in the Convention Center, Islamabad on March 15th, 2012.

Renowned scientist and pride of our nation, Dr. Abdul Qadeer Khan very generously took time out of his busy schedule and graced the occasion as the Chief Guest. The Chancellor, President and Members of the University Board of Governors welcomed the honorable guests and expressed their gratitude towards the guests for their esteemed presence at the occasion. Executive Vice President

of the University, Dr. Muhammad Mansoor Ahmed greeted the worthy guests, graduating students and their parents at this enlivening and remarkable occasion, which would always be a memorable event in the lives of the graduates as well as their parents. Later on, Dr. Mansoor Ahmed presented a brief overview of the accomplishments and milestones achieved by the University.

During the academic year 2011, 10 scholars were awarded with PhD degrees. Furthermore, 630 students earned Bachelors and Masters Degrees in the disciplines of Computer Science, Bioinformatics, Electronics Engineering and Management Sciences. The Deans of the respective faculties got their degrees conferred by the honorable Chancellor. At this occasion, a total of 43 medals; gold, silver and bronze were awarded to the students who attained 1st, 2nd and 3rd





positions in their respective degree programs. The gold medal for the overall best academic performance was awarded to Abdul Samad Amjad. Dr. Abdul

Qadeer Khan, in his address, applauded the efforts of the University Management and the competent faculty in various fields of education. He appreciated the graduating students and conveyed his felicitations to their parents on the success of their wards. Addressing the students, Dr. Khan accentuated the need for continuous struggle and commitment towards advancement in the fields of Science and Technology. He motivated the students to perform distinctively for the welfare of the nation and bring affluence in the country. At the end of his address, the worth Chief Guest emphasized upon the need for extensive, dedicated and target oriented research in various important fields which, he said, could only be carried out by educated and committed people.

The President of the University, Dr. Abdul Wahab, took an oath from the graduating students that they would fulfill their responsibilities to the best of their potential and would leave no stone unturned for the progress and prosperity of the nation. In the end, he once again thanked the honorable guests and showed his gratitude towards the students and administration for the hard work and efforts they put in making the event successful.



MAJU holds ICETM, 2012

International Conference on Emerging Trends in Management

Mohammad Ali Jinnah University organized a two days International Conference on Emerging Trends in Management: ICETM, 2012. The purpose of this conference was to provide a forum for the exchange of ideas on the latest business developments in the field of management among researchers and practitioners in universities and industries and to seek opportunities for collaboration among the participants. ICETM 2012 received over 200 scholarly contributions from 11 countries. After a careful review, 54 papers were selected for presentation. Dr. Ijaz Shafi Gillani, Chairman Gallop Pakistan was the chief guest of the inaugural ceremony and Dr. M. Mansoor Ahmed, EVP, M.A.J.U. was the chief guest of the closing ceremony of the conference. In his welcome note, Dr. Ansir Ali Rajput welcomed the participants and thanked the foreign guests for their participation. He also highlighted the purpose and importance of the conference.

This conference consisted of 7 sessions focusing on Human Resource Management, Marketing, General Management and Finance. The conference also included an online session for presenters who were very keen to come to Pakistan but could not travel due to

visas and other issues. In total, 44 presenters from 4 countries participated in this event. At national level, scholars from leading universities participated in the conference, like, NUML, Islamabad; University of Central Punjab, Lahore; Sindh University Dadu Campus; COMSATS Islamabad; Quaid e Azam University Islamabad; Bahaudin Zakariya University Multan; International Islamic University, Islamabad; PIDE Islamabad and many others. Some of the overseas institutes from where scholars participated in the conference were Shri-Mata Vaishno Devi University, India; Asia Pacific Institute of Management, Delhi, India; Gardi Vidyapith Rajkot, India; Universidad de Guadalajara Mexico and University of Technology MARA Johor Malaysia. One best paper for each session was selected and the authors were awarded certificates.

The first episode of ICETM was very successful and productive. The participants from different countries exchanged their ideas and thoughts on different current issues. Such events reflect the commitment of the university administration towards the promotion and development of academic and research activities.



2nd Industrial Open House and Job Fair 2012



The 2nd Industrial Open House and Job fair of Mohammad Ali Jinnah University was conducted at MAJU Campus, Islamabad on 28th June 2012. The open house was attended by industrial and business entrepreneurs as well as employers from public and private sectors. The event was attended by members of academia and students from other universities. The event was organized to enrich the experience of students of MAJU and to introduce them to the industry representatives. Graduating students of CS and BI and EE departments displayed their projects, as well as posters prepared for the occasion. The idea was to provide the students an opportunity to share their work and experience with visitors from industry and academia. On this occasion, graduate profile CDs and CVs booklets were also distributed among the visiting guests.

In the exhibition Department of Computer Science, Bioinformatics and Electronics Engineering presented 11, 6 and 27 industry standard projects respectively. Department wise 1st, 2nd and 3rd positions of industry Project were announced by a jury of judges drawn from respective departments. From CS department Zeeshan Akhtar & Waqas Ahmed got the first prize for *Human Resource Management System*. Second prize was won by Fahad Hanif & Omer Iqbal for *Restaurant Ordering System*. Third prize was awarded to Azzam Nisar for *Dynamic Bandwidth Aggregation for UDP Traffic*. In BI department Shuja Zeb & Muhammad Haseeb got the first prize for project on *Dynamical Impact of Dengue Virus on Human Immune System*. M. Raheel Farooq and M. Omar Khan won the second prize for *Protein Interaction Integration and Visualization Tool*. Third prize was awarded to Yasmeen Ali and Noor-e-Saba for *Avian Influenza Epidemiological Model of Occurrence Prevalance and Mortality*.



In department of Electronic Engineering, M. Ayyaz, Khawar Hayat & M. Imran Baig got 1st prize for project *Pitch Control System*. Habib Ur Rehman, Obaid Ullah, & Asad Raza Minhas got 2nd prize for *Automation of PCB Drilling Machine*. Third prize was awarded to M. Zahid Nawaz & Muzammil Sajjad for *ECG and EEG Signal Acquisition System*.

Certificates, shields and cash prize were awarded to the best project award winners. The effort done by students was appreciated by the guests from industry and many on-spot interviews were also conducted. Lunch was served at 1 pm for all the participants and Faculty members. At the closing ceremony, Students from different departments expressed their views about the open house and the efforts put in by university management. At the end of the ceremony convener of Open House Dr. Nayyer Masood Dar (HoD (CS)) thanked the judges, all participants from industry and academia for their time and valued judgment. He also appreciated the efforts of the students, staff and faculty for putting up a great show and wished them a happy and prosperous future.



PEC Visit to Mechanical Engineering Department at M. A. Jinnah University on April 17, 2012

A team of experts from Pakistan Engineering Council (PEC) visited Mohammad Ali Jinnah University on 17th April 2012, in connection with zero-level visit of BS Mechanical Engineering to assess and evaluate the facilities, curriculum and faculty.

The Team appreciated the facilities that university has provided to students and availability of highly

qualified faculty and reported that it was remarkable achievement.

On satisfactory report of visitation team PEC has granted permission to university to induct new batch of students for Fall 2012.

Industrial Visit to Mangla Power House

As a part of their academic learning, the Engineering students must have exposure to different technical organizations. Jinnah Engineering Society aims to provide the opportunities of industrial visits to the Electronic Engineering students. For the EE083 batch, a visit to Mangla Power House was organized by JES on 3rd March 2012. A group of forty five students accompanied by Dr. Muhammad Sagheer and the Academic Officer Mr. Azam Ch, Visited Mangla Power Station. Students were found keen to learn about the technical procedures at the Power Station.

Bentley Donations

MAJU would like to thank Bentley systems for their donation to the University, which includes one MAC mini with accessories and one iPad. The donated systems will be used by students to accomplish their final projects.

ICT R&D Funding

National ICT R&D Fund funded Rs 214600 to five final year projects of Computer Science and Electronic Engineering Department of Mohammad Ali Jinnah University, Islamabad Campus. *Trajectory control of robotic arm* supervised by Dr. Aamer Iqbal Bhatti was funded Rs.18400. *Solar Power AC system with perfect sine wave inverters* supervised by Dr. Mansoor Ahmad was funded Rs.31000. *Automation of PCB Drilling machine* supervised by Dr. M. Ashraf was funded Rs.36000. *Restaurant wireless ordering system* supervised by Dr. Nayyer Masood was funded Rs.62000. *Android phone Backup and monitoring tool* supervised by Adnan Khalid was funded Rs.57200.

Three Year Accreditation of PEC to MAJU-EE Department

The Pakistan Engineering Council (PEC) Re-accreditation visit of MAJU Electronic Engineering program was held on 24th May, 2012. The three members team of experts from PEC visited MAJU and thoroughly evaluated the processes being followed Academic curriculum, quality of Faculty and facilities being offered to students of Electronic Engineering Department. The team appreciated the developing efforts of the Department and acknowledged the high standard of Academic activities, laboratories and other facilities being provided. As a result, MAJU Electronic Engineering department was rated among the best engineering Universities and accredit was given for three years which is a maximum duration that PEC accredits.

The Moore Contest -Interface-a-Thon



MAJU-EE Team participate in "The moore contest – Interface-a-thon" category of National Solutions Convention 2012 (NASCON 2012) held on 20th to 22nd April, 2012 organized by FAST-NUCES, Islamabad, stands Runner-Up. In this event total



15 teams of different engineering universities participated. MAJU-EE team comprised of Naveed Akram, M. Jawad Saleem and Saqib Ali under the supervision of Mr. Mubashar Ejaz Ahmad.

A Team from Department of Electronic Engineering took part in, "Robo-Race Category at FETEX" under the supervision of Mr. Mubashar Ejaz Ahmad. This mega event was organized by Faculty of Engineering of International Islamic University, Islamabad. Team Comprised of M. Jawad Saleem, Moin Qasim, Faizan Haider, Owais Sagheer and Aamir Mahmood stood Runner-up at FETEX-IIUI 2012.

1st Get-together of EE Alumni Association, MAJU.

1st Electronic Engineering Alumni Association Get-together was held on the evening of 31st March, 2012. A total of 110 Graduates from different batches of Electronic Engineering attended this event. The faculty of Electronic Engineering was also present on this auspicious occasion. Head of the Department, *Dr. Imtiaz Ahmad Taj* in his inaugural speech, welcomed all the alumni at this first get together. During this event, alumni from different batches shared the views and memories about their time spent in MAJU. From the very first batch, *Mr. Sajid Sayyad*, who is currently working in Mobilink, Islamabad recalled his association and time spent during engineering in a very entertaining manner. He

appreciated the Faculty of Electronic Engineering and thanked the University for arranging such a marvelous event. Mr. Hammad Hassan from 2nd batch of Electronic Engineering, is currently working in Huawei Telecom, told his achievements and experiences regarding job and also appreciated the university management for arranging such a nice event. *Mr. Ahsan Adeel*, Mr. Mohsin Raza Naseem and Mr. Zeeshan Baig also shared their views and experiences. At the end, on behalf of all the EE Alumni, Mr. Omar Anwar offered his gratitude towards Executive Vice President, Department of Electronic Engineering and thanked the University Management for all the support

and encouragement for this event. Executive Vice President of MAJU, *Dr. Muhammad Mansoor Ahmed* gave the concluding remarks. He reaffirmed university's commitment towards better education and briefly described the milestones achieved in this short period of time. He also advised the Alumni on the importance of Professionalism in one's carrier. He appreciated the efforts of *Dr. Sagheer*, *Mr. Omar Anwar* and *Mr. Hassan Anwar* for arranging such productive event. The ceremony was concluded with a luscious dinner for all the faculty members and the alumni.



Seminar on Stress Management



A seminar on "Stress Management in Youth" was conducted on 9th May 2012. Ms Sajda Kazmi, senior clinical psychologist, Fauji Foundation Hospital, Rawalpindi was invited to highlight the importance of stress management and strategies to overcome this issue, especially among youth. The seminar was supervised by Dr. Shoaib Ahmed.



Seminar on the Role of Communication in Youth Leadership



Crescendo Hunerkada & Daneshkada organized a Seminar on "Role of Communication in Youth Leadership". Mrs. Ameena Zafar was the organizer and the resource person. The Seminar focused on the communication skills which are necessary for leadership in the corporate sector.

Consequently, this skill aimed at helping them prepare all kinds of replies to academic and non academic documents in leadership positions. It aimed to improve and train skills of the participants in order to make them more competent, convincing and confident. The resource person Mr. Hannan Ali Abbasi focused on the Leadership skills required for effective participation and implementation. Senior Professor, Mr. Asif Kiyani, Instructor for the Leadership courses at MAJU, also graced the function.



Seminar on CRM in Earth Factor



Syed Babar Ahmed, CEO in Earth Factor has an eighteen years experience in IT sector. He started the first telecom sector of mobilink in 1993. At that time it was a small telecom company. It was informed that how CRM affects customer behavior towards company. It was told that CRM has a tool and philosophy. This philosophy's based on three things: Creating, Maintaining and Expanding. These three things increase the profitability of the company with the use of CRM. CRM as a tool, like to visualize something. It has a lot of benefits in different sector to increase the profitability, process efficiency, sales, cost saving, larger customer life cycle, etc. It is also necessary to build a strong relationship between the customer and the owners of the different businesses. In process efficiency you don't have to wait for the information.

Application of Derivatives in Industry

The Seminar was organized by a Group of MBA (professional) 2012, and supervised by Sir Khalid Iqbal Mahr. Prof Dr Abdul Rauf Khan was Chief Guest. The basic objective of conducting this seminar was to create awareness among the students regarding the application of DERIVATIVES in industry and in economics.



Seminar on Business Law

Business law students of MBA organised a seminar on 11th May 2012, Mr. Farrukh Dall, Advocate High Court, and President of Pakistan Tehrike Insaf lawyers Wing, Islamabad was the guest speaker. Business law teacher Raja Muhammad Akbar, a former principal of Punjab Collage of Commerce & Punjab College of Information Technology Rawalpindi welcomed the guest speaker and explained the objective of the seminar. The guest speaker highlighted the importance of knowledge in human life and stressed that awareness about the law of the land was obligatory for each citizen and ignorance of law was unacceptable.



Seminar on NATO Supply Restoration

A Seminar was conducted under the supervision of Mr. Shakeel Ur Rehman, in which guest speaker Abdullah Gul, Chairman Mohsinan-i-Pakistan Foundation, was invited. He gave his point of views regarding "NATO Supply Restoration Right or Wrong," which was the key topic of seminar. This seminar was conducted under the media coverage. Despite the strong pressure from US for the Restoration of NATO supply, the Govt.toughened its stance towards NATO supply. Abdullah Gul said, "We restore the NATO supply because 48 countries were unhappy about the stoppage of NATO supply, if in future 100 countries were unhappy about the our nuclear program, will we be forced to shut our nuclear reactors".



Seminar On Training & Development

MS Scholars of Muhammad Ali Jinnah University organized a seminar regarding Training and Development on May 9, 2012 at M.A.J.U Islamabad Campus under the supervision of Dr. Ayesha Akbar. Following guest speakers were appreciated and commended, who shared their reliable and valid experiences in context of topic:

- Mr. Manzoor Ahmed (Manager Total Quality Management), Islamic International Medical College Rawalpindi
- Mr. Asif A. Jehania, (Head of OD), Interactive Group of Companies, Islamabad
- Mr. Juanaid Asrar, (HR Specialist), Interactive Group of companies, Islamabad

The students learn the practical Guidelines for training and how to present the practices of training and development in public and private sector, Defining, Analyzing and Reviewing the KSA in different organizations and how organizational culture, needs, content design, impact on evaluation of training in organization. The trainers discuss Variety of terminologies used by organizations for "Training & Development". Furthermore, students study the training & development practices

in MNCs, Perception of various types of companies regarding training & development such as SME, public and private sector. Students gain knowledge that what is the cost and benefit analysis scheme regarding training. The extract of the seminar is "Training and Development" not only improves the performance of employees but also helps the organizations in achieving the strategic goals and objectives.

IST Carnival 2012

M Moaz of CS Department was declared the Best Actor of IST Carnival 2012. Teams MAJU also grabbed positions in Chess and Urdu recital. Altogether, 25 universities from all over Pakistan participated in the event.



Leaders of Tomorrow

Leaders of Tomorrow conference was held at the Presidency, Islamabad on 9th April 2012. A group of 30 students along with Director Student Affairs represented MAJU. President of Pakistan, Federal Ministers and Federal Secretaries attended the Conference.



Mega Sports Event for Sweet Home Children's

Student Affairs Office actively provided support to Pakistan Balt-ul-Mall in organizing their Mega Sports event for 2800 Sweet Home Children on 23rd March 2012.



Two Days Allied Schools Workshop

A two days Allied Schools Teachers Training Workshop concluded at Mohammad Ali Jinnah University, Islamabad. Over 130 teachers from 25 branches of Allied Schools from north region attended the training. The

workshop was conducted by the PGC's head office Trainers. Dr. Mohammad Mansoor Ahmed, Executive Vice President M.A.J.U Islamabad was the chief guest of concluding session and certificate distribution ceremony.



Speaking on the occasion he said that "We believe teachers are the key to a safer future. By teaching children to recognize and avoid risks, we can help them lead fuller and more productive lives. The better your support, the more likely your teachers will be able to help you achieve your Risk Watch goals. He appreciated the efforts made by Allied School management for conducting training Workshop for the teachers of Allied Schools.

ITP Traffic Safety Drive

Student Affairs office actively supported Islamabad Traffic Police in execution of its Traffic Safety Drive. In recognition to MAJU's contribution, Inspector General, Islamabad Police gave away Appreciation Shield to Director Student Affairs in a very graceful ceremony held at Pakistan National Council of Arts (PNCA) Auditorium, Islamabad.



Blood Donation Camp in Collaboration with Red Crescent Society

Student Affairs Office in collaboration with Pakistan Red Crescent Society has organized Blood Camp at Campus. A large number of students and faculty members donated the blood in this very noble cause.



Participation in COMPEEC event

Two projects from CS department were presented in a national mega event such as: COMPEEC, organized by EME, NUST, Pakistan. This was two day event organized on 27th and 28th of June 2012. The first project was presented by Yasir Majeed and Saira Gilani. The title of the project was Expertise Finder System for Bio-Informatics. The second project was presented by Tariq Mahmood and Sibtain Mehmood. The title of the project was News Recommendations System for Pakistani Media. Both of the projects were initiated and supervised by Dr. Muhammad Tarvir Afzal. Visitors and Judges admired the projects. The ICT R&D officials were also present on the occasion. They also appreciated the projects and asked the students to write research proposals for funding from ICT R&D fund. Students were highly motivated and encouraged to present their work to a wider audience.



SPORTS EVENTS

Football Highlights



Hockey Team



Rugby Match



Girls Sports Event

Carrier Counseling Seminar for CS Students

A motivational seminar was organized by JSPARK for carrier counseling of CS students on 27th April, 2012. The purpose of the seminar was to motivate CS students and to show carrier paths in Computer Science. The speaker, Mr. Ubaid Hassan Safdar is project manager at McDermott International, USA. The education of Mr. Ubaid is from Pakistan. This was one of the motivational factor for the parti-

cipants that how Pakistani students are working on key posts worldwide. This was an interactive session where the speaker highlighted the significance, opportunities, and carrier paths for CS students. The event was supervised by Dr. Muhammad Tanvir Afzal and Ms. Raabia Mumtaz. At the end, there was an active question-answer session. Dr. Tanvir presented the souvenir to the guest.

Seminar on Software Testing

One of the leading international companies, Bentley Systems Inc. conducted a seminar on Software Testing. The seminar was organized by JSPARK on 6th March 2012. The title of the seminar was "Why not Software Testing as a Carrier?". The purpose was to guide students to career paths under software testing stream. The intention in this activity was to expose students to pragmatic work practices and skills they should develop to cope with future challenges. A team of four experienced persons from Bentley System Inc. delivered information: Farrukh Latif, Mr. Majd uddin, Mr. Muhammad Zaighum and Ms. Farhana Adeel. Dr. Muhammad Tanvir Afzal supervised the seminar. Dr. Aamer Nadeem presented shields and souvenirs to all guests.



Seminar on Bioinformatics-Future Prospects

Department of the Bioinformatics arranged the seminar on March 30, 2012. The topic of the seminar was "Stochastic System Biology: Modeling Biochemical Noise". The guest speaker was Dr. Mukhtarullah who has done B.Sc in Electrical Engineering from U.E.T Peshawar, M.Sc in Control Engineering from U.M.I.S.T Manchester, Ph.D. in System Biology from university of Rostock, Germany, Post Doctorate from university of Rostock, Germany.

The students of BS,MS and Ph. D. (BI) attended the seminar. He started with a brief introduction to his work and the university and the research group in his university;

He explained the meanings of the Stochastic, System Biology, Simple modeling and the Biochemical noise by giving the brief examples and then creating links between the Mathematics and Biochemical reaction and conveyed the importance of the differential equations and probability. In the end, the HoD

of the Department of Bioinformatics, Dr. Hamid Rashid thanked and presented the shield to the guest and thanked the guest speaker.



Seminar On Communication Skills

The Department of Bioinformatics conducted a seminar on "Communication Skills" by Brig. Dr. Mowadat Hussain Rana, Commandant Armed Forces Institute of Mental Health, D.G. Nust Centre for Trauma Research, Advisor in Psychiatry Armed Forces Pakistan. The seminar was specially focused on "The Importance and Role of Communication Skills in Society and Academia". Brig. Mowadat described the methodology of communication for its effect on good response in various fields of life, either formal or informal. He emphasized on the importance of human behaviour and the rules of interaction among humans in social life. It is hoped that this seminar will help the students and youth to improve their communication skills which will help to fill the gaps created by the lack of communication.



CRM Seminar

It was supervised by Sir Arif Vaseer. The guest speaker was Mr. Armoghan Tallat, CEO of Professional Syndicate and Piffers Security Services. He is a trainer and also a member of visiting faculty at Arid Agriculture University. He was of the view that CRM is not only to smile and to make customer feel easy, CRM is to deliver commitment to the customer. He discussed that customer's first priority is to get what company promises to deliver and later on he gets exposure to other sides of CRM and those are secondary tools. He ended his discussion

by telling that now a days it's not the only responsibility of CRM team to integrate with customer and facilitate him/her, but all the departments who usually get in contact with customers, have to work also as a facilitator.



"Smoking Causes Lungs Cancer" Seminar



Seminar was held on 19th April 2012, under the supervision of Professor Dr. Asif Ayub Kiyani and was organized by group of four people: Maria khadim (Leader), Talha Yousaf, Raheel zahid, Karamat Ali. The topic of seminar was "Smoking Causes Lungs Cancer". The guest speaker Dr. Ghazanfar, working in Pakistan Institute of Medical Sciences for past fifteen years, is the lecturer in hospital as well as orthopedic specialist in Pakistan.



3rd One Day Workshop on Bioinformatics

Mohammad Ali Jinnah University, Islamabad arranged the 3rd Workshop on Bioinformatics on June 18, 2012. It was designed to address the challenges that arise from unique characteristics of life by focusing on principles, methodologies and tools that support the entire life sciences. Almost 70 participants from different disciplines of life sciences and educational institutions participated. The workshop particularly aimed to stimulate the discussion of key issues, approaches, and innovative applications of Bioinformatics. Dr. S. M. Saqlan Naqvi, Dean Faculty of Sciences PMAS-Arid and the Chief Guest of the Workshop was Prof. Dr. Samina Amin Qadir, V.C, Fatima Jinnah Women University, Rwp appreciated the faculty of Bioinformatics of MAJU on arranging this 3rd workshop. Faculty members delivered lectures on key areas in Bioinformatics. Lecture sessions were followed by lab sessions in which participants were introduced with the combination of some basic and advanced techniques of Bioinformatics. At the end Dr. Hamid Rashid and Dr. Mansoor Ahmad gave a thanking note to all the participants and Dr. Masoor Ahmad ensure the continuity of the workshop in the future.

Seminar on GIS

A seminar on Geographical Information System was organized by JSPARK on 9th May 2012. The expert from the industry Mr. Nadeem Sufyan, conducted this seminar. The senior students from Computer Science and Bio-Informatics attended the seminar. The agenda of the seminar was to introduce the senior students with the emerging field of GIS. The topics covered by the expert include: GIS introduction, GIS Significance, GIS Architecture, GIS Applications, and GIS Jobs and Carriers. The expert is working in the area since last more than seven years at national and international level. The profound knowledge of the expert inspired and attracted the attention of the audience. The audience was fully involved and engaged in question answer session. At the end, a number of final year project ideas were discussed with the students. Some of the students were convinced to take up this area for their final year projects. The seminar was aimed to open a new dimension for our final year students to work in an area of modern age. Dr. Muhammad Tanvir Afzal supervised the event and presented the souvenir to the guest.



Online Gaming Competition



An online gaming competition was organized by JSPARK on 16th May 2012. The purpose of the event was to acknowledge those students who are extraordinary in gaming and to select best students who may participate at similar national level events. Complying with the needs of national level events, the students were able to play any or both of the following games: Moha and

Counter Strike. Teams from all departments of the university participated in this event. Sixteen teams were registered for Counter Strike and eight teams registered for Moha. The event was supervised by Dr. Muhammad Tanvir Afzal. The winners and runners up were announced at the end of the event.

Prize Distribution Ceremony

JSPARK organized prize distribution ceremony for online gaming and Chess winners on 28th May 2012. The online gaming competition comprises of two gaming events: Counter Strike and Moha. The gaming competition was supervised by Dr. Muhammad Tanvir Afzal. The chess competition was organized by Dr. Aamer Nadeem. The ceremony was graced by the Head of CS department, Dr. Nayyer Massod and Dr. Aamer Nadeem. Dr. Tanvir presented the overview of the events and announced the winners and runners up. The shields were distributed by Dr. Nayyer and Dr. Aamer. At the end of the event, winners and runners up were served refreshments with faculty members.



Trip to River Neelum

A trip to River Neelum was organized by JSpark on 5th May 2012. The students of 5th to 8th semester joined the trip. The weather on that day was pleasant. The students were accompanied by Mr. Faisal Shahzad, Mr. Hasan Tahir and Mr. Azhar Manzoor. The students enjoyed the company of these faculty members. On the way the students enjoyed a lot. They had lots of fun in terms of singing and sharing jokes. When the students reached River Neelum, they really liked the place. They sat on the chairs and beds which were installed in water alongside River Neelum. The students took pictures of scenic views. On the way back, the students appreciated the efforts Jspark to make it a memorable trip.



A brief Summary of an Educational Trip to Taxila Museum, Julian and Khanpur Dam

This trip was organized by the students of Leadership under the supervision of Mr. Asif Ayub Kiyani on 29th April, 2012. Mr. Shakeel ur Rehman and Mr. Umar Toor joined the trip on the behalf of university management. A guide there introduced the students to the cultural significance of Taxila Heritage Museum. This place is basically a result of archeological expedition led by British in early 1920s. The theme of this interesting place is the life of Gautham Budd, who is the founder of Buddhism. On the second leg in the trip, Julian was visited which is related to the ancient historical monastery of Buddhists about two thousand years ago. As a whole, the trip was not only informative but interesting as well.

Visit to Election Commission of Pakistan

On 22nd May 2012, a visit was arranged by the students of Mohammad Ali Jinnah University to *ELECTION COMMISSION OF PAKISTAN*, supervised by Mr. Shujahat Hashmi. Mr. Khizer the Director General of Information Technology received the students at Election Commission of Pakistan and brief them about the management information system implementation in ECP with their team Deputy Director, Mr. Fahad and later on Mr. Sher Afgan joined the students, he is the acting secretary. They gave information about the ECP. They told how they are using management information system in their organization. He introduced the TV



application through which they get the information about the election results at province level. They develop Pakistan map in which they mention the location of their offices at a district level and from this they can easily find out the result of any polling station and also winner, their votes number etc. Further they implement the geographical information system where they find out the geographic location of their offices, polling station, and polling offices. They link the world best TV channels and news paper on their website to the update of any issue and also create the election calendar on their website of different countries to see the upcoming information about the election.

Dr. Tanvir Afzal Edited Two Books on Semantics

Dr. Muhammad Tanvir Afzal from CS department at Mohammad Ali Jinnah University edited two books in the domain of Semantics. The books were published by a leading open access publisher such as: In-Tech which is a pioneer and world's largest multidisciplinary open access publisher of books covering the fields of Science, Technology and Medicine. More than fifty chapters from forty countries were submitted to these books for the review. Dr. Tanvir served as the editor of both books. This book is a nice blend of number of great theories, models and



practical systems touching the domains of Queries, Predicates, Semantic Cache, Algorithms, Logic Programming, Semantic Web, and Interfaces. The title of the second book is Semantics in action Applications and Scenarios. This book presents the recent semantic developments in the domains of 1) Software Engineering, Semantic Cache, E-health, Sport Video Browsing, Power grids, Visualization, and Natural language Processing.

Book Chapters Edited by CDSC Research Group

The research group of Dr. Muhammad Abdul Qadir and Dr. Muhammad Tanvir Afzal such as: Centre for Distributed and Semantic Computing also contributed in following books chapters.

1. Muhammad Azeem Abbas, Muhammad Abdul Qadir and Muhammad Tanvir Afzal (2012). Semantic Cache Reasoners, Semantics - Advances in Theories and Mathematical Models, ISBN: 978-953-51-0535-0, InTech, Available from: <http://www.intechopen.com/books/semantics-advances-in-theories-and-mathematical-models/semantic-cache-reasoners>

2. Abbas, Muhammad Azeem; Qadir, Muhammad Abdul; Ahmad, Munir; Ali, Tariq Editor: Benlamri, Rachid; Title: Semantic Aware Implication and Satisfiability for Conjunctive Queries in Semantic Caching; Book Title: Networked Digital Technologies; Book Series Title: Communications in Computer and Information Science: 2012; Publisher: Springer Berlin Heidelberg; Isbn: 978-3-642-30507-8; Start Page: 44, End Page: 54; Volume: 293; Url: http://dx.doi.org/10.1007/978-3-642-30507-8_5; Doi: 10.1007/978-3-642-30507-8_5

3. Munir Ahmad, Muhammad Abdul Qadir, Tariq Ali, Muhammad Azeem Abbas and Muhammad Tanvir Afzal (2012). Semantic Cache System,

ICT R&D Funding

National ICT R&D Fund funded Rs 214600 to five final year projects of Computer Science and Electronic Engineering Department of Mohammad Ali Jinnah University Islamabad Campus. *Trajectory Control of Robotic Arm* supervised by Dr. Aamer Iqbal Bhatti was funded Rs.18400. *Solar Power AC System with Perfect Sine Wave Inverter* supervised by Dr. Mansoor Ahmad was funded Rs.31000. *Automation of PCB Drilling Machine* supervised by Dr. M. Ashraf was funded Rs.36000. *Restaurant Wireless Ordering System* supervised by Dr. Nayyer Masood was funded Rs.62000. *Android Phone Backup and Monitoring Tool* supervised by Adnan Khalid was funded Rs.57200.

Control and Signal processing Research (CASPR) Group of Mohammad Ali Jinnah University has won the award of Rs 14.7 Million from ICT R&D fund for the project "*Model Development, Simulation and Control of the Underground Coal Gasification*". Five professional researchers along with four PhD's, two research associates and one MS student are currently employed in the project.

National Research Productivity Award

The problem experienced by the Universities as well as the R&D organizations is to retain high quality S&T manpower; Considering the fact that NCST has decided that the salaries of highly qualified scientists and technologists should be brought at par with those prevailing in industry, in order to attract the brightest students to in various S S T fields. The Ministry of Science and Technology, in collaboration with PCST has decided to grant Research Productivity Allowance to active scientists on the basis of their performance and publications in International Journals. As recognition of their research Dr. Noor M. Khan and Dr. Amer Iqbal Bhatti of the Faculty of Engineering (FoE) have been awarded the Research Productivity Award (RPA) by the PCST, Ministry of Science and Technology Pakistan for the year 2011-12.

Four IEEE Transactions in a Year by Pakistani Research Group

The members of CASPR Group, led by *Dr. Amer Iqbal Bhatti* at MAJU, Islamabad are actively involved in the area of Automotive Fault Diagnostics and Controls Research for the last seven years. The successful experiments and ensuing four publications in *IEEE Transactions* on Industrial Electronics and *IEEE Sensors Journal* boost the researchers' confidence to a great deal. In the first phase, Automotive Fault Diagnostics was focused upon. A handheld device is developed to access vital engine variables and detect existing engine faults. In order to monitor engine conditions and get earlier fault predictions: like misfire detection, theoretically involved algorithms are proposed and successfully tested on a commercially available 1300 cc vehicle. Many difficult problems in the automotive engine operations have been solved amicably through the use of electronics; the prominent ones are reducing pollution, fuel efficiency and the engine reliability. Now the fuel is sprayed into cylinders through Electronic Fuel Injection (EFI). The amount of fuel sprayed is carefully manipulated by the Engine Control Unit (ECU).



Dr. Muhammad Ramzan attended a three day International workshop on "Computational Methods in Mathematics" organized by "Standing Committee on Scientific and Technological Cooperation (COMSTECH)", Islamabad from 7th May, 2012 to 9th May 2012. He presented a paper titled, "Acoustic Diffraction by an Oscillating Strip", as a resource person.

Book Publication

Sana Zahra. 2012. A Guide to Protein Structure Prediction (Structure prediction of Retinitis Pigmentosa 1 Protein: A Bioinformatic Approach) LAP Lambert Academic Publishing. ISBN 978-3-659-11951-4, paperback, 76 Pages

PUBLICATIONS

- S Bilal, H Rashid, J Z KKhattak, S A Chaudhry, T Sultana & A. Mir. 2012. *Structure modeling and mutational analysis of gap junction beta 2 (GJB2)*. African Journal of Biotechnology. 11(27): 6965-6973.
- H Rashid, M. H Khan, Z Chaudhry, R Bano and N I Raja. 2012. *An improved Agrobacterium mediated transformation system in wheat*. Pak. J. Bot., 44(1): 297-300.
- Z Chaudhry, & H Rashid. 2011. *Isolation and characterization of Ralstoniasolanacearum from infected tomato plants of soanskesar valley of Punjab*. Pak. J. Bot., 43(6): 2979-2985.
- A S Sarfraz, H S Ali, S Fazal, A S Mushtaq, S M Zakria and M Ahmed. 2012. *Field evolved resistance to carbamates, organophosphates, pyrethroids, and new chemistry insecticides in Spodopteralitura Fab. (Lepidoptera: Noctuidae)*. Journal of Pest Science. Vol . 85, NO 1, 153-162.
- I H Kazmi & A IBhatti, *Parameter Estimation of Proton Exchange Membrane Fuel Cell System using Sliding Mode Observer*, accepted for publication in International Journal of Innovative Computing Information and Control, Volume 8, No 7B, July 2012, pages 5137-5148.
- Q Ahmed, A I Bhatti, I A Taj & K Ahmed. *Hidden Markov Model Based Diagnosis & Prognosis of SI Engine Intake Manifold Leakage*. International Journal of Innovative Computing Information and Control, Vol 8, No. 7(A), pp. 4661 - 4674, July 2012.
- M A Rizwi, S H Zaidi, M Amin and A IBhatti, "Misfire Fault Detection In SI Engine Using Sliding Mode Observer", accepted for presentation in IECON 2012.
- T S Khan, M S Khan, M C Chyu, & Z H Ayub, 2012. *Experimental Investigation of Evaporation Heat Transfer and Pressure Drop of Ammonia in a 60° Chevron Plate Heat Exchanger*. Int. J. Refrigeration. 35 (2), 336-348.
- M U Raza, I Khan, M A Zaman, J A Shah, M S K. Tareen & M. S. Khan, *Heat Rate Improvement of 362 MW Steam Power Plant by Design Modification In Heat Sink System* 6th International Ege Energy Symposium and Exhibition (IEESE) 28 - 30 June 2012, Izmir Turkey.
- R Khalid, A Choudhry, M F Rabbani, M F Imam & M S Khan, *Design of a Vertical, Closed-Loop Geothermal Condenser for Domestic Air Conditioning*, 19th International HVACR Expo & Conference, Islamabad, 01-03 March 2012.
- Q Baseer, *Spillovers and Knowledge Transfer in the ICT sector of Pakistan*. presented at 1st IEEE Engineering Management Conference at NUST on 20th March 2012.
- Q Baseer, *Application of Supply Chain Mapping Tools – A Case Study in Pakistan*. presented at International Conference on Emerging Trends in Management held at Muhammad Ali Jinnah University, Islamabad on 18 - 19th May 2012.
- S Iqbal, B H Qureshi, & N M. Khan. *Effect of Directional Antennas at Both Ends of the Link on Fading Statistics*, in Proc. International Conference on Future Communication and Networks (IEEE ICFCN), Baghdad , Iraq, April 2012, pp. 58-62.

- Z MLoni & N M. Khan. *Analysis of fading statistics in cellular mobile communication Systems*, Springer Journal of Supercomputing, In Press
- M Ajab, I A Taj & N A Khan. *Comparative Analysis of Variants of GWT for cross-terms reduction*, Metrol.Meas.Syst., (Accepted)
- U I Bajwa, I A Taj & W Anwar, *A unified classifier for robust face recognition based on combining multiple subspace algorithms*
- I A Sajid, M M Ahmed & M Sagheer. *An Optimized Face Recognition System Using Stable Orthogonalization*, *International Journal of Innovative Computing, Information and Control*, page 219-232, Volume 8, November 1(A), January 2012.
- S Hussain, Y Louet, J Palicot. *Peak Power Control in Cognitive Radio Context*, *IET Communications: special issue on Cognitive Communications*, Volume 6, Issue 8, May 2012 Page(s):861 - 871.
- M Ramzan, *Cylindrical wave diffraction by an oscillating rigid strip*, has been accepted in ISI indexed journal, World Applied Sciences journal.
- S Z Ahmad, M A Qadir, M S Akbar & A Bouras, *Analysis of Multi-Server Scheduling Paradigm for Service Guarantees during Network Mobility*, *WIRELESS PERSONAL COMMUNICATIONS*, Volume 63, Number 1 (2012), 177-197,
- T Hussain, M. A Qadir, & S. ASGHAR, 2012. *Fuzzification of Web Objects: A Semantic Web Mining Approach*. *IJCSI International Journal of Computer Science Issues*, 2012, Vol. 9, 2, 61-67.
- S Bashir, *Dimensionality of Counter Work Behavior in Public Sector Organizations of Pakistan*, *Journal: Public Organizations Review*, USA., 2012, DOI: 10.1007/s11115-012-0177-8
- M A Khattak, N Iqbal S F Urooj & F Bashir (2012). *Employee Involvement and participation at work, A case study of OTCL*, *International journal of academic Research in Business & Social Sciences-Vol-2, No-6*.
- M Khattak, N Iqbal, A Qadeer & A A Rajput. *Impact of Culture on the Employee Performance A Comparison of Private and Public Sector Universities Teaching Experience*, *NUML Journal OF Management and Technology*, August 2012.
- S Akhtar, (2012) *The Relationship of Managers Leadership Styles with Gender, Experience and Socio-Economic Status: An Analysis of Banking Sector Organizations*. *International journal of Modern Management Sciences* 1(1):1-13, 2012.
- A A Rajput. *Impact of Organizational Culture on Employee's Career Salience: An Empirical Study of Banking Sector in Islamabad, Pakistan*, *International Journal of Business and Social Science* Vol. 3 No. 7, USA (April 2012).
- A Zafar, *English Language Trainings in the Commercial Sector: Perspectives from Portugal & Pakistan*. *2012 European International Business & Economics Conference*, Rome, Italy, 6-8 June, 2012.
- M S Khan & M I khan, *An emergent Model for Employee Job Satisfaction in NGOs Sector of Pakistan*, accepted for publication in *Interdisciplinary journal of contemporary research in business (IJCRB)* for Sept 2012, Institute of Interdisciplinary Business Research, USA.
- G A Mirza, N. Masood & S. Asghar, *Formal Representation and Resolution of Null Value Conflict in Database Integration*, *The 2nd IEEE Conference on Computer and Management*, Page 1527-1533, Vol 2, March 9-11, Wuhan, China, 2012.

(This list include only a part of the total publications due to shortage of space)

New Faculty Members Spring 2012

Name	Department	Designation	Qualification	University
Dr. Nadeem Ahmed Sheikh	Mechanical Engineering	Associate Professor	PhD Granular Flows/ Multiphase Flows	Loughborough University, UK
Mr. Fareed ud Din Qureshi	Mechanical Engineering	Assistant Professor	MSc Manufacturing Technology and Systems Management	University of Manchester, UK
Dr. Qadeer Ahmad	Mechanical Engineering	Assistant Professor	Ph.D (Control Systems)	Mohammad Ali Jinnah University Islamabad
Mr. Inayat Ullah	Mechanical Engineering	Assistant Professor	M.Phil	Quaid-e-Azam University, Islamabad
Ms. Maryam Kausar	Computer Science	Lecturer	MS(CS)	University of Manchester, UK
Mr. Hassan Tahir	Computer Science	Lecturer	MS(CS)	NUST
Dr. Muhammad Aleem	Computer Science	Assistant Professor	Ph.D (Parallel Processing)	University of Innsbruck, Austria
Dr. Muhammad Azhar Iqbal	Computer Science	Assistant Professor	Ph.D (Wireless Adhoc Networks)	Huazhong University China
Mr. Qamar Mehmood	Computer Science	Assistant Professor	MS(Computer Engineering)	University of Engineering & Technology Taxila
Mrs. Humera Aftab	Computer Science	Assistant Professor	M.Phil (Linguistics)	NUML, Islamabad
Mrs. Sumayya Amra	Computer Science	Lecturer, English	M.A (English) Language and Literature	Islamic International University, Islamabad
Mr. Omer Maqbol	Electronic Engineering	Lecturer	MS (Radio and Mobile Communication System)	University of HERTFORDSHIRE, England
Dr. Shazia Akhtar	Management & Social Sciences	Assistant Professor	Ph.D (HR Development)	NUML, Islamabad
Mr. Ahmed Faraz	Management & Social Sciences	Lecturer	MS (Finance)	Mohammad Ali Jinnah University, Islamabad
Mr. Amir Khan Khattak	Management & Social Sciences	Assistant Professor	MS (Management Sciences)	COMSATS
Mr. M. Bilal Saeed	Management & Social Sciences	Lecturer	MS (Management Sciences)	Arid Agricultural University, Rawalpindi.
Mrs. Sualeha Nadeem	Electronic Engineering	Lecturer	MA (English)	Punjab University

HEC Travel Grants 2012

Name	Topic of Research paper	Conference	Place
Dr Abdul Qadir	Semantic Aware implication and satisfiability for conjunctive queries catching	The 4 th International Conference on Networked Digital Technologies 2012	UAE
Ms Saira Andleeb Gillani	"ERRAGM ap: Visualization tool"	IDCTA 2012: 8 th International Conference on Digital Content Technology and its applications	Korea
Dr Amer Farhan Rafique	Multiobjective Hyper Heuristic Scheme for system design and optimization	ICNAAM 2012 World Congress: The 9 th International Conference on Mathematical problems in Engineering Aerospace Sciences	Austria