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International Conference on Emerging Technologies 2012 (IEEE ICET 2012)

A two-day International Conference on Emerging Technologies was held on 8th & 9th October, 2012 in Islamabad Hotel, Islamabad. The conference was organized by Mohammad Ali Jinnah University Islamabad and UET Taxila, in collaboration with IEEE Islamabad Section.

Dr. Amir Qayyum in his welcome address informed that from more than 300 submissions of excellent research work, only 87 full papers, with an acceptance ratio of around 29%, were selected for the publishing in the conference proceedings. There were altogether 12 technical sessions in the conference, addressing a broad spectrum of topics including Signal Processing, Telecommunications, Computer Networks, Microelectronics, Microwaves, Modeling & simulation, Control & Automation, Artificial Intelligence, Biotechnology, Bio-Informatics, Wireless Sensor Networks, Image & Video Processing, Computer Vision, and Software Engineering.

Dr. Saifur Rehman from Virginia Tech, USA delivered Keynote Speech on the topic of "Electricity Smart Grids". He mentioned few innovative ways and measures in which intelligent and smart grids can prove to be a solution for the electricity crisis and help minimize the load shedding.

Dr. Muhammad Akram Sheikh, Advisor Defence Export Promotion Organization (DEPO) was the Chief Guest of Inauguration Ceremony of the Conference. In his address, he said that in today's fast changing world where science and technology is finding its ever-increasing importance, only those nations with intellectual wealth in the field of science and technology will survive. Underlining the significance of interaction of industry and academia, he emphasized on getting the optimum benefit from the universities for solving the problems of the local industry.

Dr. Hermann Maurer, a prominent scholar and researcher from Graz University, Austria and also one of the Bright Sight Speakers, graced the Closing Ceremony. In his closing remarks, he congratulated the organizing team for arranging such an informative and wonderful conference. He added that the interdisciplinary sessions of such conferences offer a gripping atmosphere for the sharing of ideas and experiences between researchers and practitioners.

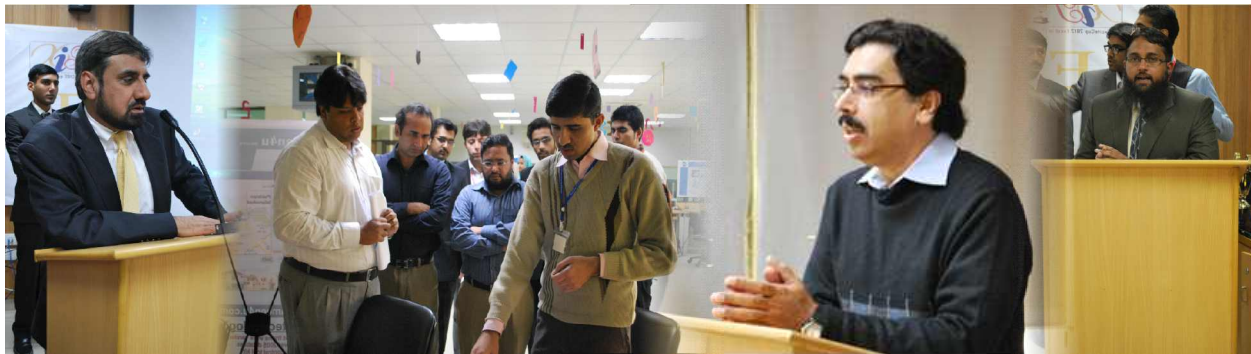




Excite Cup 2012

Department of Computer Science, Mohammad Ali Jinnah University, Islamabad, organized Excitecup, 2012, on 16th and 17th November, 2012. The event offered five competitions, including: On-spot Programming Competition, Software Exhibition, Online Gaming Competition (Mohaa), Quiz and Poster Design Competition. Total 61 teams from 12 universities registered for different competitions. Cash prizes of more than Rs.150,000 were awarded to the winning teams.

The exciting and thrilling competition was inaugurated by Dr. Muhammad Mansoor Ahmed, The Executive Vice President of Mohammad Ali Jinnah University, Islamabad. The event started with the recitation of verses from the Holy. It was followed by the address of Dr. Tanvir Afzal, Convener of the Event. He warmly greeted and thanked all the participant teams of various universities. He conveyed the objective of that event to the guest participants, and gave a detail of all competitions and their schedule. Later on, Executive Vice President, Dr. Muhammad Mansoor Ahmed addressed the participants. He warmly welcomed all the guest teams to that challenging activity which provided them an opportunity to prove their worth. He hoped that such activities would be beneficial for them in practical life and enable them to face the challenges of life. He appreciated Dr. Abdul Qadir, Dean Faculty of Computing and Dr. Nayyer Masood, Head of Computer Science Department, who originated the idea of Excitecup 2012 and put an effort to make the event an exciting, thrilling and successful one.

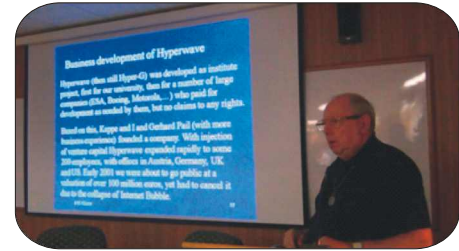


The first day of event consisted of On-Spot Programming, Software Project Exhibition, Gaming and Quiz. Finalist teams were selected on 16th November, 2012. The second day of Excitecup 2012, was decisive. The judgment was made 17th November 2012 and results were announced in prize distribution ceremony.

The Convener of the event, Dr. Tanvir Afzal, presented the summary of the events in the closing ceremony followed by the speech of The Chief Guest. Mr. Nasir-ud-Din Khan of Pakistan Revenue Automation Limited graced the occasion as Chief Guest. He expressed his pleasure on being among youth. He appreciated the teams of all competitions and especially commended the efforts of those students who expressed their talents through their projects. After the address of the Chief Guest Dr. Nayyer Masood, HOD of CS Department addressed the faculty and students. He also valued the wholehearted and dedicated efforts of the faculty members of Computer Science Department who made this event a success. At the end, the Chief Guest of the Event distributed shields and cash prizes among the winning teams.

The Rainbow of Computer Science, Prof. Hermann Maurer's Visit to MAJU

Prof. Hermann Maurer from Graz University of Technology, Austria visited Mohammad Ali Jinnah University, Islamabad from 7th -10th October, 2012. He delivered a seminar organized by 'Centre for Distributed and Semantic Computing' and JSPARK on How WWW was born, lessons learned, challenges and opportunities. Prof. Hermann Maurer has been working as full professor of Computer Science since the last 40 years at notable places including University of Calgary, Canada, Karlsruhe University of Germany, University of Brasilia, and Graz University of the Technology, Austria. He is founder of ISI impact factor Journal such as: Journal of Universal Computer Science for which Mohammad Ali Jinnah is acting as a partner now. Prof. Hermann supervised 65 PhD theses, published more than 650 quality papers, initiated 16 research based successful companies. He has been serving as Chairman for Computer section of Academy of Europe (a prestigious academy having 47 noble prize holders as members), recently, he has been selected in the executive board of the academy. He has written 20 books in Computer Science, handled many multi-million projects, many honorary awards are on his credit. More details please visit: <http://www.iicm.tugraz.at/maurer>



Web Forensics

A seminar with title "Web Forensics: Tools and Techniques, Hacking and Tracking" was organized by JSPARK on 29th November 2012. The speaker, Mr. Muhammad Qasim, did his MS from the University of Wales recently in Web security. The speaker discussed many techniques and tools related to Web Forensics. There was a healthy question answer session at the end of the talk. Many senior students and faculty members attended the seminar. The event was supervised by Dr. M. Tanvir Afzal. The

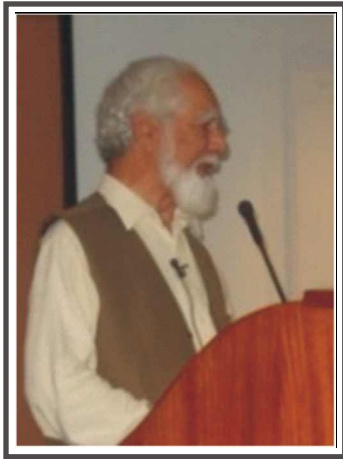
speaker was given souvenir by the Head of CS, Dr. Nayyer Masood Dar.



Educational Opportunities for Pakistani Students in USA



A platform was provided to the MAJU students to attend a seminar organised by US Embassy on the Educational Opportunities for Pakistani Students in USA. Team of 20 students from all the departments with one faculty member Mr. Nasir Rasool attended the seminar arranged by US Embassy with the Theme of "Educational and Cultural Lessons from the study of the U.S Institutes for Student Leaders (SUSI)".



Dr. Inam ur Rehman's Talk: History of Pakistani Nuclear Program

Engineers' Forum organized a seminar on Pakistan's nuclear program on Friday 23rd November 2012. The guest speaker Dr. Inam-ur-Rehman is an eminent nuclear scientist and founding director of PIEAS. He has worked as head of training program at Atomic Energy Commission since 1962 and during his distinguished career he has been awarded sitara-e-imtiaz which is the highest award in education. Dr. Rehman delivered a 50-minute talk on the topic which was followed by a 15-minute question and answer session. The lecture covered a brief history of Pakistan Atomic

Energy Commission and the relentless efforts of its pioneers which led to the development of an indigenous nuclear program.

Science and the Islamic World - The Quest for Rapprochement

Engineer's Voice organized a seminar on "Science and the Islamic World-the Quest for Rapprochement" on October 19, 2012. The guest speaker Dr. Pervez Hoodbhoy, Professor of Physics at L.U.M.S was warmly welcomed by the senior faculty members of Electronic Engineering Department. Dr. Pervez Hoodbhoy delivered an important talk on the history of Muslims with respect to science. He discussed that we people are not in the habit of asking questions in our academic as well as other issues. Dr. Aamir Iqbal Bhatti thanked and presented a bouquet and shield to the guest speaker.



Guest Lecture by Dr. Sarwat Iqbal on "Catalysis Chemistry and Reactor Engineering"

On the 21st of November 2012, A seminar titled "*Catalysis Chemistry and Reactor Engineering*" was arranged by *Engineers' Forum, MAJU* on 21st of November 2012 in the Workshop Room, B-block. The guest speaker, Dr. Sarwat Iqbal delivered a presentation on the topic. Dr. Iqbal holds a Post-doctorate in Chemical Engineering from Cardiff University, UK. She is currently teaching at Cardiff University in addition to leading a team of researchers at Avantium Technologies in Amsterdam, The Netherlands. Her presentation received a positive response and the research group of Dr. Aamir Iqbal Bhatti, working on the Underground Coal Gasification (UCG) project showed special interest towards possible future collaboration. The seminar concluded by the guest speaker being awarded university souvenirs by Head of the Mechanical Engineering Department, Dr. M. Sultan Khan.



Love for Prophet (Peace be upon Him)



JSPARK organised its second religious talk, in a series of three, on December 19th 2012. Executive Vice President, Mohammad Ali Jinnah University, Prof. Dr. Mohammad Mansoor Ahmed took time out of his busy schedule to be the chief guest of this event and enlighten the students on this topic. The topic for this event was Love for the Prophet (SAW). The event was held in auditorium A2 in university campus from 11am to 12pm. The event was supervised by Dr. M. Tanvir Afzal and Mr. Shahzad Rafique. The lecture was followed by a question answer session. In addition to a large number of students, many faculty members also attended the talk.

Design to Development

JSPARK organised a seminar titled "Design to Development" on December 27th 2012. The distinguished guest of this event was Mr. Ali Raza. Mr. Raza is the first and only Adobe Training Partner and Microsoft Certified Trainer. His name was recorded in the Guinness book of world records for

obtaining all certifications of Adobe. The guest shared his vision for CS students: "Design" to "Development". He discussed diversified design tools from Photoshop to Game Design and from Web Design

to Flash animation. He also discussed Programming Languages and SDK platforms. The students were very enthusiastic and engaged in the discussion. The event was supervised by



Dr. M. Tanvir Afzal and Mr. Shahzad Rafique. At the end, the guest was presented with a souvenir from the University.

Leadership Qualities

JSPARK organised a seminar on Leadership on December 26th 2012. The guest of this event was Sardar Khalid Ibrahim, president JKPP and the son of the founder of Azad Jammu and Kashmir. The guest shared his views about Leadership with the audience. The event was supervised by Dr. M. Tanvir Afzal and Mr. Faisal Shehzad. The lecture was followed by a question answer session. At the end, the guest met with the faculty members over a cup of tea and had an informal discussion. The guest was presented with a souvenir by the University.



Visit of General Manager SMEP



Engr. Maj (R) Arshad Rasheed, General Manager "Society of Mechanical Engineers of Pakistan (SMEP)" along with Administrator SMEP, Mr. Arif Hussain Khan, visited the Department of Mechanical Engineering on Tuesday, November 27, 2012. Maj (R) Arshad Rasheed gave an introduction of the "Society of Mechanical Engineers of Pakistan (SMEP)" to the faculty members. Various prospects of future cooperation, professional development courses, industry academia linkage and initiating the MAJU-SMEP Student Chapter were brought under discussion. The meeting ended with a group photograph of the guests and faculty members.

Jinnah Employment Expo

A series of career guidance sessions were conducted along with the Jinnah Employment Expo. The session was supervised by Mr. Ansir Ali Rajput, Dean of Corporate Linkages. These sessions were a part of a project for Advanced Project Management Course, tutored by Mr. Aijaz Hashmi. Renowned guest speakers from famous organizations were invited to guide the students. Mr. Sardar Usman Rashid, Head Risk Manager, SME Bank; Ms. Sadia Naz, Academic Leader, IBM; Imran Ahmad Salfi, Manager HR, INNEXIV; Mr. Asim Ishaq, Operations Manager, PRKLINE; Nadeem Ahmad, Director, Verite; Ms Noorulain Zafar, Manager Marketing, ACCA Pakistan; Mr. Rizwan Tirmizi, Executive Asst. Manager, Islamabad Hotel; Mr Zaheer, GM, Channel 7 Communications; Mr. Irfan Daniel, Manager HR, ZTE; and Mr. Imad Rafiq, Director, Rafiq Engineering Industries guided students regarding different professions and their importance in their future. A large number of students attended these career guidance session and found them extremely helpful for them.



Short Course on "Energy Audit Tools and Techniques"

Society for Energy and Environment, M. A. Jinnah University, in collaboration with National Energy Conservation Centre (ENERCON), Ministry of Water and Power and Pakistan Engineering Council (PEC) organized a short course on "Energy Audit Tools and Techniques" on Wednesday, September 26, 2012.

The training was conducted by Engr. Asad Mahmood, Manager Technical, ENERCON. Deputy Registrar Pakistan Engineering Council Engr. Abdul Rehman was the chief guest.

Dr. Amir Qayyum, Dean Faculty of Engineering, and Dr. Mohammad Sultan Khan, Head of Mechanical Engineering Department, presented shields to the guests.



Effective Instruction Skills Workshop

The Department of Mechanical Engineering organized a workshop on "Effective Instructional Skills" on 19 Dec, 2012. The workshop was in line with the PEC requirements, and covered the main teaching methods, aimed specifically at university students.

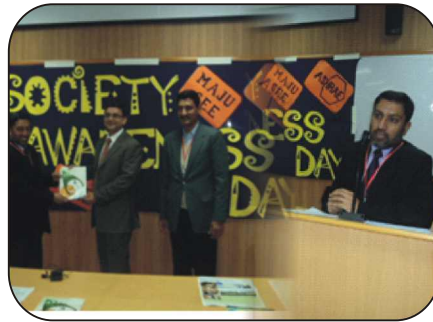
The workshop, stressed mainly on the importance of learning-centered approach towards teaching. The focus of this session was to reiterate the importance of various instructional methods and also to emphasize the inevitability of the instructors' ability to

maneuver these instructional skills in accordance with the nature of the subject, being taught, and the level of the students concerned. The resource person, Mr Inayat Ullah, assistant professor of English at the department, described in detail various instructional methods, ranging from the Socratic Method of Instruction to Direct Instruction, Indirect Instruction, Interactive Learning, Experiential Learning, and Independent Learning. The faculty members actively participated in the workshop and shared their experiences.

Student Society Awareness Day 2012 By The Department of Mechanical Engineering

"Society Awareness Day -2012" was arranged by The Department of Mechanical Engineering on December 12, 2012 in collaboration Faculty of Engineering.

This event was organized by new entrants of the Department under the Shafi, in order to give them student societies currently Dr. Mohammad Sultan Khan,



Auditorium A-1. This event with student societies of

the senior students for the Mechanical Engineering supervision of Ms Ayesha the introduction of different working in the department. Head of Mechanical

Engineering Department, in his opening note emphasized the importance of student societies and their need for the professional as well as personal grooming of the students.

Representatives from different societies presented brief introductions to the respective societies. In his closing address, Dr Amir Qayyum, Dean Faculty of Engineering, advised the students to actively participate in the activities of different student societies. The event ended at a melodious poem of Dr Mohammad Iqbal presented by Zohaib Ahmed. The event was followed by a lunch arranged by the university for all the students in the university canteen.

Industrial Visit To Suzuki Central Motors Rawalpindi

A visit to Suzuki Central Motors, Rawalpindi was arranged for the students of 1st year BS Mechanical Engineering on 15th, 16th and 24th of October, 2012 in connection with the course of ME1801 Workshop Practice I.

Mr. Ijaz (Manager Services and Technical) and Mr. Arshad (Manager Sales and Marketing) gave presentations about various aspects of the organization. They highlighted the advancements of automotive industry and motivated students to become good professional engineers. The students visited different sections of the company and were briefed about respective operations that were being performed in those sections.

At the end of the visit, Hi-tea was served and a question-answer session was arranged.

Importance of Research



Mr. Ahsan Mehmood arranged an informative session titled "Importance of Research". The session was supervised by the renowned author, Atle Hetland. The guest speaker discussed various research methods including literature searches, interaction with people, focus, groups, personal interviews, telephone surveys, mail and email surveys, and intelligent surveys.

Workshop on Accounting Software Quickbooks and Peachtree

Mr. Aijaz Mustafa organized a training workshop on accounting software QuickBooks and Peachtree. The training was conducted by Mr. Muhammad Ali who is working as Accountant with Ayub National Park Administration. During the training, the participants were given hands on experience about using the software which included making transactions, graphs, accounts, passing transactions, bank reconciliation and balance sheet.



Industrial Applications of Business Mathematics



Mr Khalid Mehar arranged a talk session on business mathematics and its applications in industry Mr Osama Ashfaq , key Accounts Manager , Mobilink at Alcate . Lucent was invited as guest speaker. The understanding, significance and application of maths in the industry as a whole were discussed. The role os maths in finance, Accounting,Marketing, sales, strategy, planning, operations, productions, logistics and supply chain was also highlighted.

Statistic Importance in Business

Mr Khalid Mehar organizes a session on the Use and importance of statistic in business. Dr Muhammad yousaf Shaidd from Quaid-e-Azam university graced the occasion as guest speaker. Student were informed about the vital role of statistics in making abot the location of business, the marketing of products or services, the application of scare financial resources or the determination of sales sources



Activities of IEEE MAJU Student Branch

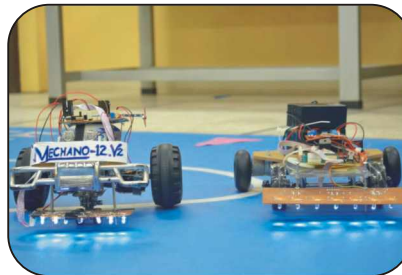
IEEE M.A.J.U. Student Branch is actively working to promote and organize curricular and co-curricular activities for students. The Student Branch organizes different academic seminars, workshops, industrial visits, student competitions and social activities. IEEE MAJU Student Branch is mainly run by The Student Executive Committee, under the Counseling of Dr. Muhammad Arif Khan from EE Department.

1st IEEE Jinnah Social & Educational

Carnival, 2012 (IEEE-JSEC 2012) was organized by IEEE MAJU Student Branch on May 5, 2012. The event was supervised by Dr. Muhammad Arif Khan, Mr. Omar Anwar, Mr. Mubashar Ejaz Ahmad and Mr. Mohsin Raza. The carnival comprised of various competitions: Speed Wiring, Control the Magic, Brain Teaser, Free hand Sketching, Painting, Mehndi Competition, Gaming, Chess competition, Capture the Idea, Minute to Win it and Movie Night. In the closing ceremony, the chief guest Dr. Shoaib Ahmed Congratulated the organizing team for conducting such a marvelous event. Dr. M. Arif Khan and Mr. Tahir Awan distributed cash prizes and certificates among the winners of the different competitions.

The details of some important events, organized by IEEE MAJU student Branch are shown in above table:

All Pakistan Student Congress	9-10 Sept, 2012	Mr. Hammad Shafqat	All Pakistan Congress
IEEE DAY, 2012	02 Oct, 2012	Mr. Hammad Shafqat	Members get-together and planning for future events
1st ExCom Oath Taking Ceremony	02 Oct, 2012	Mr. Hammad Shafqat	Oath ceremony
IEEE-JES CS 1.6 Gaming	03-14 Oct, 2012	Mr. Waleed Farooq	Computer Gaming Competition
Seminar on Pakistan Nuclear Program	28 Oct, 2012	Mr. Umer Maqbool	Dr. Inam-ur-Rehman was the guest speaker
Antenna Design Workshop	06 Nov, 2012	Dr. M.Arif Khan	Simulation on HFSS for the Antenna Designing
2nd IEEE Jinnah Robotics Competition	29 Dec, 2012	Mr. Mubashar Ejaz	Line Follower Robots Competition
Hands on Speedy-33 Using Labview	28-29 Nov, 2012	Mr. Hassan Anwar	Labview Simulation and Hardware Implementation on Speedy-33
PCB Designing Software Workshop	06 Jan, 2012	Mr. Omar Anwar	CadStar product of Zuken company



Five-Day Workshop on FPGA Based Hardware System Design

Department of Electronic Engineering at Mohammad Ali Jinnah University successfully conducted a five-day workshop on FPGA Based Hardware System Design. Mr. Tahir Awan and Mr. Omar Anwar were the resource persons for this training workshop. This workshop was also approved by Pakistan Engineering Council (PEC) under 'Continuing Professional Development' (CPD) Programme and was worth 1 Credit Point. A total of 15 participants attended this workshop and all of them were awarded certificates at the end. This training workshop covered Introduction of digital design, FPGA architecture, Verilog HDL Programming language, ModelSim and Xilinx ISE Software tools for digital design. Hardware design optimizations like pipelining, time shared architectures, fast adders and multipliers. Using design and simulation software tools, digital design flow was explained for Xilinx FPGA architecture. Finite state machines (FSM's) and their applications in ASIC design were also discussed.

Values and Qualities of an Effective Leader

Students of Management & Social Sciences arranged a seminar under the guidance of Mr. Asif Ayub Kiyani. The topic of seminar was "Values and Qualities of an Effective Leader". The guest speaker, Mr. Tariq Fazal Chaudhry is Member of National Assembly. Being an educated person and a renowned political personality, he discussed the characteristics of an effective leader.



Iqbal and Islam

Ms. Qura tul Ain Jalil arranged a seminar on "Iqbal and Islam". The guest speaker Mr. Ch Mukhtar Ahamd, the speech writer in National Assembly, discussed the poetry of Iqbal and how it played an important role in Muslim society. In the end the guest speaker was presented the souvenir.

Developing your personal power

Mr. Asif Ayub Kiyani arranged a talk session titled "Developing your personal power". Mr. Mirza Ibrahim, Founder and Lead Facilitator, GOAL, graced the occasion as guest speaker. During the table, qualities of good and bad leadership were identified. Students were given various leadership activities to perform in order to educate them more about the planning and fear building which are very important factors in effective leadership. Moreover, common rules of leadership including the rule of character and rule of faith in Pakistan were also highlighted.



A "Career Guidance" session was arranged by Dr. Ahsan Mahmood Ahmed under the guidance of Dr. Awais-e-Siraj, MD Genzee-Solutions. During the session, students were able to set their career, goals, narrow down the list of the careers based on their strengths. They set their career plan, about what they want to pursue in higher education. They also realized their role in the Economic Development of Pakistan.

Career Guidance

Entrepreneurial Marketing Gala 2012

The Entrepreneurial Marketing Gala 2012 was held during the fall 2012 semester. Different



stalls set up by the students were evaluated and given position. The best stall team was awarded Rs. 8000, second best stall team got Rs. 5000 and the third position stall team awarded Rs. 3000.



Eid Milan Party



Female students of Bioinformatics Department organized an Eid Milan Party on November 14, 2012 at Old Café. Students invited HoD Bioinformatics Department and HoD of Computer Science Department along with certain Faculty Members. It was a wonderful event where teachers and students freely talked to each other while eating and discussed common issues of society and studies. It was an open platform for students to discuss their problem and issues with teachers in a positive manner. All guests admired efforts of Genix society for organizing such a great event.



Treasure Hunt

Genix Society organized the first ever treasure hunt in the history of MAJU. The event took place on December 5, 2012. A great number of students registered themselves in the form of teams for the event. Total 33 forms were given away for registration and out of

which 17 teams were chosen on the basis of first come to first enter in the hunt. The hunt was divided into 3 rounds. Round 1 was the round to solve the riddles and 17 teams played this round. Round 2 was map exploration and word completion round and 7 teams played this round. Round 3 was the last round which has high level of difficulty along with well hidden clues. Round 3 was a story based and all clues when combined together were to tell the team the name of the final object.

A team of 3 from BBA FINANCE Department emerged as a winner of first treasure hunt of MAJU. Winning team was awarded with cash prize of Rs.1500/- by the chief guests of the event Dr. Hamid (HoD Bioinformatics) and Dr. Sajjid (HoD BBA and Finance). All the participants praised the efforts put by the organizing society and encouraged to repeat that activity in near future on a bigger scale.





Another PhD student Mr. Qudrat Khan has successfully defended his thesis under the supervision of Prof Aamer Iqbal Bhatti. Dr. Qudrat Khan (from Swat) worked on Theory of Direct Integral Sliding Mode and its applications. Qudrat was funded by M A Jinnah University and Prof Iqbal Tahir Foundation. He stayed in Pavia Italy for six months under HEC IRSIP Program to work with Prof Antonella Ferrara.

Hiking trip to Ayubia

A combined trip for Department of Electronic Engineering to Ayubia was organized by Engineer's Voice and Jinnah Engineering Society on November 17, 2012. One hundred and fifty students were accompanied by Dr. Imtiaz Ahmed Taj (HoD EE) and other faculty members. This trip was supervised by Mr. Miss Saleha Nadeem and Mubashar Ejaz. There were two hiking tracks from Donga Gali; one led to Mushkpuri Hills and the other was a 4.1 Km track which led to Ayubia. On the way back, the students appreciated the strenuous efforts of Engineer's Voice and J.E.S. to make it a memorable trip.



J.E.S Double Wicket Cricket Tournament



In the 3rd week of December, Jinnah Engineering Society organized J.E.S. Double Wicket Cricket Tournament under the supervision of Mr. Mubashar Ejaz. Participation of HoD Electrical Engineering Department, Dr. Imtiaz Ahmed Taj and other faculty members in this event was really icing on the cake. Total thirty two teams were registered for this battle of cricket. Mr. Zeeshan Khaliq, a student of EE department won the trophy by winning this tournament. The winners and the runners up were awarded with cash prizes and certificates as well.

School of Science and Engineering at LUMS held 3rd Workshop on Field and Assisted Robotics (WFAR3) on 16th and 17th of November. Prof Aamer Iqbal Bhatti from Department of Electronic Engineering, M.A.J.U Islamabad was invited to give a plenary lecture on Modeling and Simulation of Underground Coal Gasification. The talk spanned for an hour and covered the model development and simulation approaches to Thar underground Coal Gasification Problem. The audience appreciated the significance of the project and the rigor of the modeling approach.

A project of CoReNeT research group is approved for funding from ICT R&D Fund: Title: Design and Development of Hybrid IPv4 and IPv6 Network for QoS Enabled Video Streaming Multicast Application.

Project Director: Prof. Dr. Amir Qayyum (Dean of FoE, MAJU)

Total Budget: Rs 14.202 Millions Accepted for Funding By: ICT R&D Fund

CPD Workshop on CFD Modeling and Design Optimization of Turbomachinery (ANSYS Blade Modeler, Turbo grid, ANSYS CFX and ANSYS CFD POST)

A two day workshop on "CFD Modeling and design optimization of Turbo machinery using ANSYS", which was part of Pakistan Engineering Council's (PEC) CPD program, was held at department of mechanical engineering, Muhammad Ali Jinnah University Islamabad from 30th November till 1st December, 2012.

Mr. Muhammad Saeed was

the key trainer of this workshop. The participants were trained on ANSYS's 'Blade Modeler', 'Blade gener AI' and 'Turbo Grid' which are specialized, easy-to-use tools for the rapid 3-D design and analysis of rotating machinery components.

At the end of the workshop, Head of Department Dr. M. Sultan Khan thanked the participants and organizers



for making the workshop successful while Dr. Amer Qayyum (Faculty of Engineering) presented the certificates to the participants.

Dr. Amir Qayyum (Dean of FoE) got the ICANN Fellowship to attend the meeting of Internet Corporation for Assigned Names and Numbers (ICANN) from 10-19 Oct, 2012 at Toronto, Canada

Prof Aamer Iqbal Bhatti was invited to give a talk on Advancements in Electronic Support Measures by maritime Complex in IBCAST 2013. He also chaired a session on Simulation.

CPD Workshop On CFD Modeling for Internal & External flow using ANSYS

A three day workshop on "CFD modeling for internal and external flow using ANSYS" was arranged by the Department of Mechanical Engineering at Muhammad Ali Jinnah University Islamabad from 22nd to 24th of November, 2012. The workshop was a part of Continuous Professional Development (CPD) program that is being initiated by Pakistan Engineering Council (PEC). Asst. Prof. Mr. Muhammad Saeed, who has a vast and diversified experience in various organizations, was the resource person. Training was imparted on modeling of various internal and external flows examples using 'ANSYS' software which is a high-performance, general purpose simulation program for solving complex fluid dynamics problems.

At the end of the workshop, Head of Department Dr. M. Sultan Khan appreciated the participants and organizers for making the workshop successful. Dr. Amer Qayyum, Dean Faculty of Engineering, presented the certificates to the participants.

CoReNeT research group (MAJU, Islamabad) received two ISOC USA Fellowships to attend Internet Engineering Task Force (IETF) meeting: Dr. Amir Qayyum got the ISOC Fellowship for the IETF 88 meeting to be held at Vancouver, Canada, and Mr. Maaz Rehan got the ISOC Fellowship for IETF 87 meeting to be held at Berlin, Germany

Two-Day Workshop on Network Simulation and Patch Development, organized by CoReNeT research group, held on 16-17 Nov, 2012 at M. A. Jinnah University, Islamabad.

Workshop details:

www.corenet.org.pk/events_detail.php?id=12

INTERACTIVE SESSIONS

Start-up Challenges for Young Entrepreneurs

Dr. Ansar Ali Rajput, Dean Corporate Linkages, arranged an interactive session on "Start-up challenges for young entrepreneurs". Guest speakers invited for the session included Mr. Moeed Baig, CEO of Capital Corporation; Mr. Sardar Asad Khaliq Khan, CEO of Brain Pvt. Ltd and Mr. Sohaib Saleem, Director of PISA. The guest speakers were aspiring entrepreneurs who motivated as well as guided the students to start up their own business values by identifying business opportunities and society needs.

Application of Business Maths in Medical Field.

Mr Khalid Mehar organizes a session on the application of business Maths in medical field. Mr Muhammad Arshad, lecturer of mathematics at Punjab colleges, was invited as guest speaker. Mr Arshad discussed the usage of mathematics in the ECG of a person for blood pressure control, measuring fraction relating to diabetic disease were also discussed.

Values and Qualities of an Effective Leader

Students of Management & Social Sciences arranged a seminar under the guidance of Mr. Asif Ayub Kiyani. The topic of seminar was "Values and Qualities of an Effective Leader". The guest speaker, Mr. Tariq Fazal Chaudhry is Member of National Assembly. Being an educated person and a renowned political personality, he discussed the characteristics of an effective leader.

Football Factory Visit

Under the supervision of Mr. Aijaz Mustafa Hashmi, the students of MBA. 5th Semester visited a Football factory, "Anwar Khwaja Industry, Sialkot. The purpose of visiting football factory was to get practical exposure that how thing are manufactured in an industry, moreover how to take project and accomplish it. The whole procedure involved in the making of football was observed by the students. The visit proved to be very fruitful to the students.



All Pakistan Declamation Contest and Aarfana Kalam Competition

A team of three MAJU students participated in "All Pakistan Declamation Contest and Aarfana Kalam Competition" held at Quaid-i-Azam University on 14-Nov-12. Khurram Ellahi from the Department of Management Sciences stood 2nd in English Speech, Ammar Kazmi, a Computer Science student, got 3rd position in Urdu Humorous speech and Muhammad Bilal from Computer Science Department won the 3rd place for MAJU in Aarfana Kalam. Well done MAJU.

Importance of Haematology

Department of Bioinformatics conducted seminar on "Haematology" on October 1, 2012. The seminar was organized by Dr. Sahar Fazal, Associate Professor, Department of Bioinformatics. Guest

Speaker was Maj. Gen. (R) Prof. Dr. Suhaib Ahmed. He is former Deputy Commandant of Armed Forces Institute of Pathology, Rawalpindi, Pakistan. His lecture covered various aspects of Molecular Diagnosis, Role of Advanced

Techniques in Clinical Tests, and role of Blood Circulatory System at Molecular Level. The lecture was followed by a question answer session. His lecture was highly informative for the students as well as for the faculty of Bioinformatics.

Road Safety

Mr. Asif Ayub Kiyani organized a workshop for the students of M.A.J.U. on "Road Safety". The core objective was to create awareness about traffic rules and enlighten the sense of responsibility among youth as citizen of Pakistan. The Education team of Islamabad

Traffic Police consisted of Mr. Shams Azhar, Mr. Sajjad and Mrs. Sumaira.. Later on the session was joined by Deputy Superintendent of Islamabad Traffic Police Mr. Chaudhry Arshad. Further, Dr.Sajid Bashir, Head of Department Management and Social Sciences, gave souvenirs to



the guest speaker Mr. Chaudhry Arshad and other education team members.

Power Sector Issues, Challenges & Road to Success

Under the supervision of Ms. Qura tul Ain Jalil, the students of Management & Social Sciences Department arranged a seminar on "Power Sector: Issues, Challenges & Road to Success". The resource person was Mr. Salah-ud-Din Rifai. Retd.General Manager WAPDA. He gave a brief history of Water & Power Development Authority (WAPDA) and discussed Current situation of Pakistan Power Sector. Plans and suggestions were discussed to reduce Load-shedding crises in Pakistan.

Leadership Skills

Mr. Asif Ayub Kiyani organized a seminar on "Leadership Skills". The guest Speaker, Tauseef Zamaan, is CEO, BIL Pakistan Pvt. Ltd & Senior Vice president of Islamabad Chamber of Commerce and Industry. He highlighted the leadership skills and importance of confidence to be an effective leader in life.



Visit to Pakistan Institute of Parliamentary Services

The United Nations' (UN) International Day of Democracy is annually held on 15 September to raise public awareness about democracy. Various activities and events are held around the world to promote democracy on this date. PIPS organized an event for Senators on this day. A Team of 15 students from Mohammad Ali Jinnah University attended this seminar.



English Speech Competition

English Speech Competition was organized by Engineer's voice on November 29, 2012. Mrs. Nasim Quddus (ex-member of F.P.S.C. board) and Dr. Hammad Mushtaq (Head of the English Department, FU, RWP) were the chief guests and judges for the competition. Mrs. Qurat-Ain-Jalil and Miss Saleha Nadeem were also among the judges. The competition aimed to improve the communication skills of the participants in order to make them more competent, convincing and confident. All the faculty members and the chief guests highly appreciated the speeches of the participants. Afterwards the participation certificates were awarded to all the speakers for their efforts.



Blood Camp

Student Affairs office (SAO) organised Blood Camp at Campus in collaboration with Jamila Sultana Foundation. A large number of students and faculty members took part in this very noble cause.



New Faculty Members

Name	Department	Designation	Last Degree From
Dr. Malik Muhammad Nauman	Mechanical Engineering	Assistant Professor	PhD Nano-Fabrication (2012) Jeju National University, Jeju, South Korea
Mr. Khurrum Baig	Electronic Engineering	Lab Engineer	BS Electronic Engineering MAJU, Islamabad
Ms. Javeria Abbasi	Electronic Engineering	Lab Engineer	BS Telecommunication Engineer NUST, Islamabad
Dr. Arshad Islam	Computer Science	Assistant Professor	PhD Distributed Systems University of Constanze, Germany
Ms. Marriam Bakhtiar	Bioinformatics	Lecturer	PhD Micro Biology / Bioinformatics Quaid-e-Azam University

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A F Rafique. "Multiobjective Hyper Heuristic Scheme for System Design and Optimization". ICNPAA 2012 World Congress: 9th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences. (ISTP)

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Ehsan Elahi, **Amir Qayyum**, Sheneela Naz, "The Effect of Payload Length on QoS in IEEE 802.11s Wireless Mesh Networks", 18th IEEE International Conference on Networks (ICON2012), December 2012, Singapore.

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Q. Khan, **A. I. Bhatti**, M. Iqbal and Q. Ahmed, "Dynamic Integral Sliding Mode Control for SISO Uncertain Nonlinear Systems", published in International Journal of Innovative Computing, Information and Control, Japan, Vol 8, No 7A, July 2012, page 4621-4633.

Qadeer Ahmed, **A.I. Bhatti**, I. A. Taj and K. Ahmed, Gasoline Engine Intake Manifold Leakage Diagnosis/Prognosis Using Hidden Markov Model, published in International Journal of Innovative Computing Information and Control, Vol 8, No. 7(A), pp. 4661 - 4674, July 2012.

Usama I. Bajwa, **Imtiaz A. Taj**, M. W. Anwar, "A unified classifier for robust face recognition based on combining multiple subspace algorithms", Optics Communications (Elsevier), Vol.285, No. 21-22, pp.4324-4332, October 2012.

Muhammad Ajab, **Imtiaz A. Taj**, Nabeel A Khan, "Comparative Analysis of Variants of GWT for Cross-Terms Reduction", Metrology and Measurement Systems (M&MS), ISSN 0860-8229, Vol.11, No.3, pp. 499-508, September 2012.

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M. A. Haq, M. T. A. Rana, U. Rafique, Q. D. Memon, **M. A. Khan** and M. M. Ahmed, "Log Periodic Dipole Antenna Design Using Particle Swarm Optimization," International Journal of Electromagnetics and Applications (IJE), Vol. 2, No. 4, pp. 65-68, 2012.

M. Touseef, Q. D. Memon, M. A. Haq, U. Rafique, **M. A. Khan** and M. M. Ahmed, "Genetic Algorithm Optimization of Log-Periodic Dipole Array," International Journal of Electromagnetics and Applications (IJE), Vol. 2, No. 6, pp. 169-173, 2012.

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A. Latif, **M. T. Afzal**, H. Maurer, "Weaving Scholarly Legacy Data into Web of Data", Journal of Universal Computer Science, vol. 18, issue 16, pp. 2301-2318, 2012.

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M. Aleem, R.Prodan, and T. Fahringer. "The JavaSymphony Extensions for Parallel GPU Computing". ICPP, IEEE Computer Society, Pittsburgh, PA, USA, 2012.

Hussain T., **Qadir M. A.** Asghar S, "Fuzzification of Web Objects: A Semantic Web Mining Approach". IJCSI International Journal of Computer Science Issues, Vol. 9, 2, 61-67, 2012.

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, Vol. 63, No. 1, 177-197, 2012.

A. Haider, S. Rafiq, **A. Nadeem**, "Test Suite Optimization using Fuzzy Logic", 8th International Conference on Emerging Technologies, Islamabad, Pakistan, 2012.

(The list includes only a part of the total publications due to shortage of space)

Sports Highlights



Basketball Team



Football Friendly Matches With Arid Agriculture University

Foundation University match Scored 1:1
Arid Agriculture University, MAJU won by 3:2
FAST University, MAJU won by 4:2



oMAJU Rugby team stood 2nd in "End Polio Now;
Rugby Tournament"
organized by Rotary International held
at Jinnz Club F-10, on 11-Nov-2012.



Inter-departmental Cricket (Hardball)
Tournament



Girls Sports Gala

