

Newsletter

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Editorial

Pakistan Science Foundation is one of the vital centres, where new avenues of economic progress and social development are discovered and introduced to the masses for adoption. It is an autonomous organization functioning under the aegis of the Ministry of Science and Technology Government of Pakistan. The activities and programs undertaken by the foundation for the performance of the functions assigned to it include (i) the establishment of comprehensive scientific research and technological information centres (ii) promotion and financing of scientific research in the country and the utilization of research results (iii) promotion and popularization of science in society and (iv) international liaison. PASTIC an important subsidiary organization of the foundation is responsible for carrying out the first activity. The remaining three functions are performed by the science wing of the foundation.

The assistance provided to schools, colleges and universities for the promotion of a scientific culture is so immense that these days the future of the country is seen to be a centre of attention of the international science community. All the development that takes place with the assistance of the Pakistan Science Foundation, whether it is in the industrial or in the economic sector would largely be induced through research activities at Institutions of higher learning. In the West research leading to the solution of problems faced in any field is sponsored by the Industry and trade sectors. In Pakistan on the other hand, this responsibility is left to be borne by the government only. Though it is a sorry situation, yet the results are amazing. Pakistan Science Foundation has extended a helping hand to the universities and colleges researchers in general and to the in particular.

The Balochistan University of Information Technology and Management Sciences has the privilege of being singled out by the Pakistan Science Foundation for the establishment of a Science Centre within the premises of the university. As such BUITMS is likely to acquire a unique position on the list of prominent universities by producing highly qualified youth and valuable scientific insight, necessary for the cultivation of a general scientific trend in the society. The students of BUITMS have this unique privilege of the availability of all necessary information and equipment at their doorstep. They would be well advised to make the best use of the opportunity.



Establishment of Science Centre at BUITMS

Report by: Prof. Sultan Mehmood Niazi

Pakistan science foundation is pledged to the rapid development of science, science centres and science laboratories with the intent of catching up with the developed countries of the world in the much needed field of scientific development. The foundation is headed by Dr. N.M. Butt (Sitara-e-Imtiaz), an accomplished scientist, researcher and Nano-technologist. Dr. N.M. Butt rendered invaluable services to the country as Director General of the Pakistan Institute of Nuclear Science and Technology (PINSTECH) and as chairman of Pakistan Atomic Energy Commission (PAEC).

Pakistan Science Foundation is endeavoring to establish Science Centres in various parts of the country with the objective of providing latest information and improving the quality of science education. The centre would focus on the popularization of science among the students by giving vogue to Comprehensive Scientific Research and creation of scientific thinking among the masses.



Dr. Butt and his team in the Engg. Lab

The delegation was given a briefing on the establishment and development of the University from a dream into a reality. Salient facilities relating to the teaching of science were specifically highlighted by the worthy Vice Chancellor. Dr. N.M. Butt had previously visited the university in April, 2006 and, as such had adequate knowledge of the prospective scope of availability of top class facilities and space at this institution.

The delegation then moved to Takatu Campus for on-site demarcation of the piece of land where proposed Science Centre would be located.



Science Foundation delegation on the site

The delegation was shown round the Campus where they found impressive evidence of the rapid on going development work. The chairman, Pakistan Science Foundation and his team also had the opportunity of observing the academic activities, at the Electronics Laboratory, Telecommunication Laboratory, VLSI Laboratory, CAD/CAM laboratory, Blue Chip laboratory and Engineering laboratories. They showed keen interest in the state of the art equipment available at different labs and expressed satisfaction at the effective utilization of the equipment. The lab Incharges and the faculty members responded to the queries made by the distinguished guests in a professional way.



Dr. N.M Butt accompanied by VC and Pro VC

With this objective in mind, a delegation comprising Dr. N.M. Butt, chairman, Dr. Shaheen Khan, Secretary and Dr. Subhan-ud-din (member) visited Balochistan University of Information Technology and Management Sciences on April 17, 2007 for signing a Memorandum of Understanding (MOU) between the university and Pakistan Science Foundation. Engineer Ahmed Farooq Bazai Vice Chancellor, Dr. M.A.K Malghani Dean Faculty of Bio-technology and Informatics, Mr. Muhammad Nawaz, Registrar and other senior members of the faculty welcomed the distinguished guests.



Dr. N.M. Butt in the VLSI laboratory

The dimensions of the Expo Centre, BUITMS were simply amazing and the delegation found it to be the most appropriate venue for holding science exhibition, science workshops, conferences and symposia as well as for the demonstration of scientific concepts in their practical form.



Dr. N.M. Butt in Expo Centre

After the visit, the delegation and the hosts assembled in the syndicate room of the Takatu Campus where the M.O.U was formally signed. The foundation accepted the responsibilities of building construction, electrification and furnishing and other allied tasks.



VC and Chairman PSF signing the MOU

Speaking to the media at the conclusion of the M.O.U signing ceremony, Dr. N.M. Butt made it clear that,

contrary to general impression, the government of Pakistan is alive to the need of updating the education of Science and the upgradation of the Science Education facilities in the country.



Dr. Butt being briefed in CAD/CAM lab

Our Scientists and researchers are devotedly engaged in their endeavors to achieve the objectives and much progress has already been made in the direction. Pakistan is now considered to be one of the highly advanced centres of scientific learning and new inventions and technical advances have caught international attention and recognition.

Participation in the India Pakistan Drama Festival

Report By: Ali Zaman Shah (Coordinator Students' Affairs)



The Balochistan University of Information Technology and Management Sciences is geared to the grooming of the intellectual as well as artistic talents of the students to such a refined level that it can help them realize their own potentials for success in the professional fields. For this purpose, a dramatic club was established at BUITMS.

It is run solely by the students under the guidance and supervision of the Coordinator Students Affairs. The club arranges for the presentation of the amateur efforts of the students on stage.

Recently the BUITMS Dramatic Club had the privilege of participating in an India Pakistan Drama Festival held at the Bukhari Auditorium of Govt. College Lahore University from March 18-20, 2007. The event had generated immense interest as youths from the two neighboring countries were participating. More than 10 Drama teams of University and College Students from the Two Countries participated in the Drama Festival.



Drama teams from 10 universities

The included teams were from Bahaddin Zakariya University, Multan, Fatima Jinnah Women University, Rawalpindi, Shri Ram College University Delhi, Punjab University, Lahore, Kamla Nehru College, Delhi, Govt. College University, Lahore, Indus Valley School, Karachi, BUITMS, Quetta and Ghulam Ishaque Khan Institute, Topi Sawabi.

The festival was an occasion of mutual learning through close contacts' and proved to be highly rewarding as students from different parts of the sub-continent came to know about each other without bothering for political ideological differences and geographical barriers.

BUITMS dramatic club particularly availed of the opportunity to introduce their own infant University at the International Forum. The play which was performed on the stage was titled "Udas Ghar" through which the critical and acute problems of the unemployment in the country with special focus on the prevailing situation in Balochistan, was projected. The leading role in the play was performed by Arsalan, Student of BS (BA) while the other supporting roles were performed by Ms. Sumera Afsar Shah, Bahar Ali Shah, Hassan Bukhari, and Abuzar. All of them impressed the audience with their amateur but convincing artistic abilities. They in turn learnt a lot from their fellow performers from other Universities.

The concluding ceremony was presided over by Mohtarma Bano Qudsia, A veteran playwright of high repute. Her play "Amber Bale" was presented on the stage by the Govt. College Lahore University Dramatic Club and won high acclaim from the audience.

It was a memorable exposure and experience for the BUITMS team that they had the opportunity of performing in front of such a distinguished gathering of connoisseurs of the performing arts in Lahore. The members of the BUITMS Dramatic Club feel much more enlightened about performing arts as a result of this participation and they are now determined to come up with plays of higher quality.

Mehfil-e-Milad

Reported By: Miss Quart-ul-ain & Miss Romana Aziz

In the holy month of Rabi-ul-Awal all the Muslims experience a very different pattern of life. They try to get themselves involved in all such spiritual activities that provide a chance to them to ask for the condonation of their sins from Almighty Allah.



A group of female Naat khwans

Eid-e-Milad-un-Nabi (Peace Be Upon Him) is a very important celebration for Muslims. On this day all the Muslims offer special prayers as thanks giving to Almighty Allah for sending Prophet Muhammad (Peace Be Upon Him) for the salvation of mankind. This most important occasion is the time for remembering the various favors bestowed by Allah Almighty: the first is the revelation of Holy Quran with its instructions, the institution of an ever living guide that would continue to illuminate Muslims path according to the needs of the time.



Participants standing to offer salam



Eid Milad-e-Nabi (SAWW) was celebrated with great zeal and religious & Spiritual enthusiasm in Balochistan University of Information Technology & Management Sciences as well in order to get some share of blessings of the scared month of Rabi-ul-Awal. The team of organizers comprised Miss Quartul-Ain & Miss Romana Aziz with great support & participation of Miss Rukhsana & Miss Rafia. Faculty members of management Sciences and some students of BS (BA) 8th B coordinated and arranged a well planned and memorable program.

The auditorium was decorated with petals & banners keeping in view the sanctity of Eid Milad-e-Nabi (SAWW).

The auditorium of the City Campus was lit up with faces, spiritually resplendent with the pride of being the Umatties of Muhammad (SAWW).

All the participants were well prepared and presented Naat-e-Rasool Maqbool (SAWW) and extracts from the life of Holy Prophet (Peace Be Upon Him) in a very impressive manner casting a spell and touching the strings of the inner feelings of the audience.

All the female faculty members were also present and appreciated the efforts of the team for providing them a source of spiritual exhilaration.

All Pakistan Inter-Universities Zonal Cricket Tournament

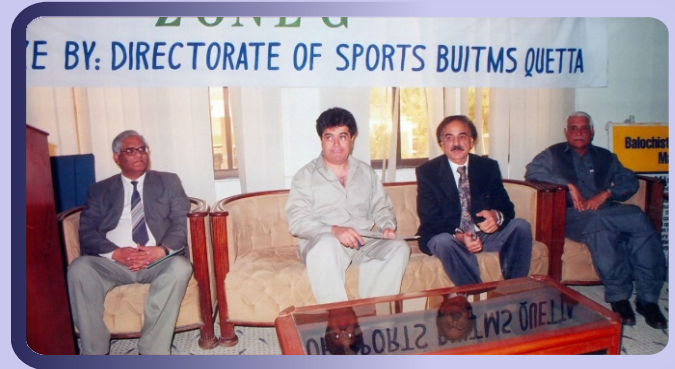
Report by: Ahmad Shah Durrani (Public Relations Officer)



The importance of sports in the life of a young student is invaluable and goes much further than the basic answer that "it keeps kids off the streets." It does in fact keep kids off the streets, but it also instills lessons that are essential in the life of a student athlete.

Sports play a pivotal role in the makeup of a young athlete because they are much more mature and mentally developed during their student-life. On the other hand, impressionable youth can learn values like discipline, responsibility, self-confidence, sacrifice, and accountability.

The Directorate of Sports of Balochistan University of Information Technology and Management Sciences (BUIITMS) has been working efficiently since its establishment.



VC at the inaugural ceremony

It has so far managed the teams of Cricket, Football, Hockey, Badminton (male/female), Table Tennis (male/female), Basketball (male/female), Volleyball, Boxing, Athletics (male/female), Squash, Karate, Body building, Weightlifting, Swimming, Rifle shooting, Tennis and Chess. The players of various sports teams of BUITMS participated in different tournaments both provincial and national level and achieved distinguished positions.



BUITMS cricket team being introduced

In the same context, the Directorate of Sports of Balochistan University of Information Technology and Management Sciences (BUIITMS) conducted All Pakistan-Inter Universities Cricket Tournament Zone (G) at Ayub Stadium Quetta on Sunday, March 25, 2007. Cricket teams from various universities of Sindh and Balochistan participated in the tournament.



VC with elite faculty at the stadium



The Cricket teams from Shah Abdul Latif Bhittai University, Khairpur, Quaid-i-Awaam University Nawabshah, University of Sindh Jamshoro, University of Agriculture Tandojaam and Balochistan University of Information Technology and management Sciences participated in the tournament while the cricket team from Institute of Management Sciences Karachi could not participate due to their final examination schedule.

The inaugural ceremony of the said event was celebrated at Bugti Cricket Ground, Ayub Stadium Quetta where a number of players, students and faculty members were present. Engineer Ahmad Farooq Bazai, Vice Chancellor, BUITMS presided over the ceremony. He, in the beginning met all the players from different universities individually and the captain of each team introduced the players to the Vice Chancellor.



Officials from the guest teams

Addressing the gathering at the inaugural ceremony, Engineer Ahmad Farooq Bazai, Vice Chancellor, BUITMS, said that Sport play a vital role in the over all development of educational institutions, therefore, proper concentration should be given to the development and improvement of sports. Regarding the significance of sports, Vice-Chancellor said that healthy body is needed for a healthy mind and activities such as games and debates are necessary for a successful educational career.



Engr. Ahmed Farooq Bazai addressing the players

He advised the student players from various universities of the country to actively participate in co-curricular activities as well. He said that sports play an important role in personality development.

He added that a good player has to be a good team player and one can easily achieve his goals through team work. He advised the players to get united and put an end to the linguistic and racial differences and concentrate on the rapid development of the country. He thanked all the guest team players and expected that they will have a pleasant time here while playing tournament matches at Quetta.

Prior to him, Mrs. Rubina Ansar, Director Sports, BUITMS, addressed the inaugural ceremony and highlighted the activities and achievements of the directorate of sports. She said that the Directorate of Sports, BUITMS, will organize 3rd Provincial Sports Gala. BUITMS will also participate in 24 forthcoming events of HEC-sponsored Inter-University championship.

Vice Chancellor then, formally inaugurated the tournament by hitting the ball with bat.

The tournament went on for three consecutive days and interesting matches were played among the various teams of zone G (Sindh and Balochistan) which were much enjoyed by the spectators.



Runner up trophy being awarded

The final match of All Pakistan-Inter Universities Zonal Cricket tournament was played between the Balochistan University of Information Technology and Management Sciences (BUIITMS) and Shah Abdul Latif Bhittai University Khairpur, Sindh, on Tuesday, March 27, 2007. The toss was won by the Shah Abdul Latif Bhittai University Khairpur, Sindh and they decided to bat first. The match took an interesting beginning which lasted until the end. The spectators supported both the teams with clapping. Batting first, Shah Abdul Latif Bhittai University Khairpur scored 181 runs thus giving a target of 182 runs to the host BUIITMS to win the final. Majid Ali was the highest scorer with 39 followed by Rashid who made 30 runs.

The team's aggregate included 47 runs from extras with 22 runs just from wide balls. Tayyab remained the most successful bowler with five wickets off 30 runs. Inayat and Salman two and one wicket respectively for BUIITMS.



In reply, BUITMS achieved the target for the loss of six wickets. Fareed contributed 36 runs in the BUITMS's win. Imran was unbeaten at 31. Sami added 27 while Naseeb was not out at 19 runs. The host BUITMS also benefited from 42 runs they got from extras. That proves that match was closely contested in all spheres of the game. Raheel got two wickets while Shafiq and Sami secured one wicket each for the visiting side.



Championship trophy being awarded

The closing ceremony of the Inter-University Zonal championship was held on March 28, 2007 at the auditorium of the City Campus. The Vice-Chancellor, BUITMS, Engineer Ahmad Farooq Bazai was the chief guest at the prize distribution ceremony. Expressing his satisfaction at the successful completion of the event, the Vice Chancellor appreciated the disciplined behavior of all the participating teams. The visiting teams from the province of Sindh were particularly eulogized for their sportsmanship and forbearance in view of the unpredictable weather conditions of Quetta. He expressed his thanks for the Balochistan Sports Board, especially its secretary for providing all possible cooperation in the conduct of the tournament and provision of lodging facilities to the guest teams. He expressed the hope that the BUITMS would demonstrate similar performance in future as well.



Manager of Khairpur team receiving the shield

He distributed prizes and trophies among the winners and the runner-ups. It was a proud occasion for Aamir Durrani to hold the Zonal Championship trophy high over his head, while he was flanked by his team-mates. Director Sports Mrs. Rubina Anwer, Coach Mr. Masood Ahmad Kasi, and captain Mr. Aamir Ahmad Durrani also addressed at the occasion.



Group photograph of the victorious team

Husne Qiraat and Naat Competition

Report by: Muhammad Saqib



The sacred month of Rabi-ul-Awal is always celebrated with high spiritual feelings and emotions. The same phenomenon was kept in mind while aiming at organizing a Husne Qiraat and Naat competition to show our affection for Prophet Muhammad (S.A.W.W).

BUITMS has been continuously organizing this event as one of the grand occasions. This time, the competition was held at Takatoo Campus Expo-Center on Friday April 06, 2007.



Prof. Bari, Dr. Bukhari, Dr. Abid among the audience
A big gathering of audience comprising distinguished faculty members and students was witnessed on the occasion. The audience not only boosted the confidence of the participants but also appreciated them on their marvelous performance. The competition started with the recitation of Quranic verses which created a sanctified atmosphere. Shahzad Ghori a student of BS Biotech 4th skillfully performed his job as the compere for the event.



The judges for the Qiraat Competition were:

- Mr. Qari Arshad Yameen (Asst. Prof. Islamic Studies BUITMS)
- Mr. Imran Akber (Incharge Department of Textile Engineering)

Similarly the judges for the Naat Competition were

- Qari Arshad Yameen (Asst. Prof. Islamic Studies BUITMS)
- Muhammad Rafique Bhatti (Naat Khawan & Programme Manager Radio Pakistan, Quetta)
- Mirza Hamid Saleem Suherwerdi Naat Khawan & Journalist)

The organizers worked extremely hard to find eligible candidates for the event. The experienced organizing committee comprised

- Mr. Imran Akber (Incharge Department of Textile Engineering)
- Syed Zaheer Abbas Gilani (Lecturer Department of Physics)
- Muhammad Kashif Nazir (Lecturer Department of Electronics)



Participants of Hus- e-Qirat contest

Both the competitions were so inspirational and attention grabbing that not only the audience but also the judges at the end were in a dilemma as to who should be awarded the positions. However the top three positions in Qiraat Competition were declared as



Dr. Abid awarding university shied

- 1st Prize Hafiz Jawad P&G 5th
- 2nd Prize Saad Ullah P&G 6th
- 3rd Prize Mehdi Ali Khan MBA 3rd

The top three Positions in the Naat Competition were notched up by

- 1st Prize Awais Javaid BS BA 3rd
- 2nd Prize Mehdi Ali Khan MBA 3rd
- 3rd Prize Sohail Majeed BS BA 4th

The atmosphere at the Expo Centre was soaked in the spiritual glow when the competitors displayed their skills in recitation of the Holy verses. The audience were moved to say Subhan Allah, when ever a qari stopped for breath. The rendition of naats was equally inspiring.



Participants of Naat Khawani contest

It seemed that the competitors mixed up their vocal prowess with deep love for the Holy Prophet (P.B.U.H) and this emotional mixture of devotion and talent produced spiritual inspiration for the audience. The very message of Holy Quran, that Allah Almighty and his angel keep on sending 'Darood' on to the Holy Prophet (P.B.U.H) and all the believers are exhorted to keep on doing so, as long as they have to live in this world, was seen to have deeply influenced the audience.



Judges for the competition

Dr. Abid, Dean Faculty of Engg. Distributed prizes among the winners of three top position in both categories. In his concluding address, he emphasized the need of moral development and character building as a part of the students' preparation for their practical life ahead. He cited the life of the Holy Prophet (P.B.U.H) and his traditions as practical demonstrations of the teachings of the Holy Quran. There could be no greater source of guidance for all the human beings all around the globe.

Zabool University Delegation visits BUIITMS

Report by:



Dr. Ahmed Ghanbari and his colleagues

A delegation from Zabool University Islamic Republic of Iran visited BUIITMS on 19th of April, 2007. The delegation comprised Dr. Ahmad Ghanbari, Chancellor of Zabool University, Dr. Ali Shahraki, Director of International Affairs of Zabool University, Dr. Ahmed Ali Kheirkhah, Deputy to the Chancellor in Research Affairs, Mehrullah Rakhshani, Academic Staff and Dr. Nasrollah Basirani, Academic Staff. It was a one day visit. The Dean faculty of Bio-technology and Informatics, Dr.M.A.K Mulghani received the delegation at the main gate of BUIITMS. The Pro V.C welcomed the delegation during his welcome briefing in the syndicate Room. The Registrar, Mr.Mohammad Nawaz and Director Languages, Prof. Sultan Muhammad Niazi were also present on the occasion.



Dr. M.A.K Malghani giving his briefing

The delegation was given a briefing about the university, its different faculties and departments. The delegation took very keen interest and asked many questions about the university. The delegation was told that BUIITMS has three campuses i.e. City campus, Takatu campus and Chiltan campus. The first two campuses are working, while the Chiltan campus is in the developmental phase and would soon start working. Dr. Malghani gave the briefing along with the Registrar and Mr. Niazi. High tea was served after the briefing was finished.



Some of the visitors in BUIITMS library

Then the delegation was taken on a detailed visit of the city campus. Dr.Malghani, Registrar and Mr. Niazi accompanied the delegation. The delegation took very keen interest while visiting the labs of Bio-Tech. They enquired about the different points related to plants and tissues. They showed keen interest in the collection of the plants etc. A member of the faculty of Bio-Tech briefed the delegation about the different kinds of diseases and the research findings about the diseases.



Dr. Shoukat Iqbal describig his lab

The delegation also visited the computer labs and class rooms of the Faculty of Management Sciences and Social Sciences. The delegation also had a conversation with the students in different classes. They were very glade to visit the BUIITMS. The delegation was very impressed by the variety and quality of the facilities provided to the students at BUIITMS.



*Dr. Ghanbari and Dr. Shahraki
with Dr. Malghani*



After a detailed visit of the City campus, the delegation departed to visit Takatu campus. At Takatu campus, the delegation was welcomed by Dr Mohammad Nawaz, Dean, Faculty of Computer and Emerging Sciences. The delegation visited different labs of Computer department, Textile Engg and Mechanical Engg, Electronic Engg and Chemical Engg. etc.



Delegation members in the electronics lab

The delegation expressed great interest in the field of alternate energy resources when they were shown the Center of Excellence in renewable Energy. They were shown the different products like solar lamps, solar cookers, solar heaters and boilers and solar air-conditioners on display at the centre. After the visit there was refreshment after which a group photo session took place. After wards the delegation departed from the university with warm expression of satisfaction and gratitude, They invited Dr. Malghani and his team to visit Zabul University in order to build up further ties of mutual cooperation.

Lecture by CEO of HUM Securities Ltd

Report by: Abdul Raziq

On May 4, 2007 Mr. Khalid Waheed of HUM Securities Limited addressed a seminar in the auditorium of the city campus of the BUITMS. The seminar was organized by the Faculty of Management Sciences. The faculty members with Chairman, Department of Management Sciences and student of MBA and Banking & Finance participated in the seminar. The topic of the seminar was "Risk Management in Stock Markets." Mr. Abdul Raziq introduced the speaker. Mr. Waheed a graduate from the Karachi University in 1993 with a degree in MSc Economics initiated his career from Jaffri & Associates, an electrical consultancy firm, as a junior Engineer/Economist. He has worked with the World Bank and the Asian Development Bank as a local consultant on the Village Electrical Program Project. Mr. Waheed has been associated with the Pakistani capital markets for the past 10 years.



Mr. Abdul Raziq introducing the speaker

His innovative approach and leadership ensures that HUM securities Ltd incorporates the latest technology and leads the industry in the products and services it offers.



Mr. Waheed, the guest speaker

Mr. Waheed is a former member of the Islamabad Stock Exchange and has been operating a brokerage firm for the past 5 years. With his intricate knowledge of the stock market and his strong work ethic, Mr. Waheed leads the entire team of professional at HUM Securities Limited as the CEO of the company. In the seminar at BUITMS, Mr. Waheed described the current stock market position of Karachi Stock Exchange. He also described about the risk management strategies in stock business. He told that there are only 125,000 investors in Pakistan and this figure must be increased to 1 million. Moreover, he said that there is lack of awareness about stock market business. In order to overcome the dominance of big investors, we have to enhance the investment base.

Mr. Waheed introduced his company (HUM Securities Limited). The company is registered with the Securities and Exchange Commission of Pakistan (SECP) as a securities broker under the Broker's Agents Registration Rules, 2001.



A section of audience

It was incorporated as a Limited Company under the Companies Ordinance, 1984 on May 31, 2001 with an authorized capital of Rs.50 Million. It obtained certificated of commencement of business on July 12, 2005. Currently 10 branches of HUM Securities are operating in Pakistan.



Another group of participants

Following Mr. Waheed's presentation there was a lively question and answer session. The students raised so many practical questions regarding the stock market business in Pakistan. At the end of seminar, Prof. Barkat Ali, Chairman Department of Management Sciences thanked the speaker and the audience.



A PROFILE



*Dr. Abdul Razzaque Memon
Chairman, Electronic Deptt:*

Prof. Engr. Dr. Abdul Razzaque Memon did his national duty of training the Flying Officers, Flight Lieutenants and Pilot Officers with the Electronics of F-16 when he was serving as the Squadron Leader and Chief of the Avionics in PAF at the Korangi Creek Base Karachi in 1979.

Dr. Memon acquired all his higher education degrees from abroad with Bachelors and Masters from Japan and Ph.D. from USA. After receiving a Medal from Nawab Ameer Mohammad Khan of Kalabagh, the then Governor of West Pakistan he proceeded to Japan for higher education in the field of Electronics.

Dr. Memon served as the Chairman of the Department of Electronics at Dawood Engineering College, Karachi for 8 years.

He also served as the Principal of the same college for two consecutive terms, each term of 4 years. He also carried out joint research programs with synergic collaboration with University of Pennsylvania, Harvard and MIT Universities of USA.

He served as Visiting Professor at Meikai University of Japan in 1999 and published his papers in the Research Journal of Meikai University. He conducted research on engineering perspectives of earthquake disasters.

Dr. Memon has presented many of his research papers in conferences at IIT, Bangalore, India, Hong Kong Polytechnic, Hong Kong, Nagoya University, Japan, University of Pennsylvania, Philadelphia, USA and University of California, Irvine, USA.

He has applied principles of Engineering Electromagnetics in his research on Electron Inertia Effects for his Bachelors, on Electronic Properties of Porous Tungsten for his Masters, on Self-Regulating Interconnected Networks of Signals for his Ph.D. and on forecast of earthquakes through network of substations with tilt-meters, gravimeters, seismometers, accelerometers and magnetometers surrounding the vulnerable areas near the fault for the life and property saving research effort for a project to predict the impending earthquake in advance.

The research interests of Dr. Memon include the application of Engineering Electromagnetics to model, animate and simulate the natural processes that are working to drive the global disasters due to pressure and temperature gradients resulting into typhoons, hurricanes and thunderstorms. The charge separation and build-up phenomena inside the earth due to pressure on rocks, piezoelectric effects and telluric currents drive the convective currents and electromagnetic variations that trigger earthquakes and cause tsunamis resulting in international disasters.

Dr. Memon's special interest focuses on the design of the interconnected network system for the measurement, evaluation and communication of the disaster alarm and advance notice of the impending disaster which requires the most reliable and robust communication system incorporated in the interconnected network.