From the Editor’s Desk

Welcome to the issue 4, Volume 5 edition of WCAS E-newsletter!

Once again we at WCAS have geared up to take up the mantle of responsibility and dedication to our chosen field of work, after the long summer break.

Having rejuvenated we once again promise ourselves that only duty and devotion to our vocation will take us a long way towards our set goals........

“Beliefs have the power to create and the power to destroy. Revolutionize your life by creating a new meaning for a past experience.” – Anthony Robbins

The multi colored feather in the cap of WCAS is that it is placed third in the top management category. It also holds a proud position among the executive and top management expatriates.

The value and significance of the Career Fair organized at WCAS can never be understated in the least bit. It holds the key to the future of students graduating from not only WCAS but also other institutions. WCAS conducted the sixth Career Fair 2015 in the college campus. The Career Fair was inaugurated by Mr. Issa Haider Al-Balushi, Director of Employment, Ministry of Manpower. The Dean Professor S. L. Gupta opined that this fair provided excellent opportunities to students to get employment & career related information. This event which was a one day event, witnessed the participation of around 50 companies.

WCAS is at the forefront of knowledge dissemination and enlightening minds. A Faculty Development Program (FDP) on Research Methodology & Innovative Teaching Methods was organized for faculty members. The basic objective of the program was to build and nurture a research culture among faculty members in the college. The program comprised of theory as well as practical sessions to provide a comprehensive exposure to the participants in August 2015.

Blood is the ‘breath’ of life and the donating of blood is the highest form of sacrifice in human life. To enable another human being to live and to save precious life is the highest form if calling. The college was honored with MOHE Blood Services Department, in September 2015 in acknowledgement of its contribution to Blood Donation Camp held every year.

Dedication and devotion to duty needs to be acknowledged with gratitude and thankfulness. The staff members who have completed a decade at WCAS were honored by the Dean and felicitated by the Chief Guest Dr. Masood Al-Harthy, Deputy Director General of Licenses and Educational Services in April, 2015.

The sturdy plank of achievement for faculty members at WCAS is in presenting papers at International Conferences, attending Seminars & Workshops, publishing research papers and the like. They deserve the whole and soul credit for their enterprise and sustained efforts in arriving at their goals.

Last but not the least; let me take this opportunity for thanking everyone wholeheartedly in order to make this issue fit for pleasurable reading!
 Laurels of Waljat College

1. Approval of HR Policies from Trustee Council
2. BIT – WCAS Agreement Draft submitted to TC members
3. Al Nama Club inauguration held for SMEF on 21st May 2015
4. Employee Handbook prepared
5. Excellent performance of Students in various activities
6. Revision and timely publication of Students Guide
7. Timely publication of Examination Results
8. Organized remedial classes for Omani Students
9. Installation of Digital Signage in Four Blocks
10. Continuous visibility of WCAS in Print Media
11. Examination Module got LIVE from this semester
12. Improved relationship with MOHE/MOMP and other stakeholders by getting them involved
13. Organized workshops for WCAS students
14. Induction program for New Employees
15. Implementation of Non-Academic Departments Meetings
16. Maintaining good Omanization ratio
17. Organized meeting of BIT Deans with Faculty/Staff and Students
18. Improvement in College Website
19. Started Feedback System at WCAS for all activities for continuous improvement
20. Participated in GHEDEX 2015
21. Efforts are being made to set up separate Marketing Department
22. Streamlined allocation of part time teaching load
23. Improved Class Advisory System
24. Regular monitoring of Classes, Hostels, Cafeteria, etc
25. Planned Two Weeks FDP in Summers (SS15)
26. First Time our students participated in the National Festival of Arab University Theater in Casontina in Democratic Republic of Algeria and won
27. Conducted workshop on Risk Management on 15.6.2015
28. Conducted workshop on Strategic Plan and Plagiarism on 17.6.2015
30. Workshop on RM & SPSS on August 15-16, 2015 Approved by Ministry of Manpower (MoMP).
31. Workshop on Standards Assessment Process By Dr. Srinivasan Rama moorty
32. Workshop on Training program on basic and advance level in Microsoft word and Excel for non academic staff in 3 phases
33. Industry- Academia Interface Board meeting held at Waljat College
34. A two day workshop was organized by Waljat college of Applied Sciences (WCAS) on August 15-16, 2015 on Research Methodology and SPSS. The workshop provided an opportunity to participants to gain insights into scientific research fundamentals and have hands on training on select statistical tools using IBM SPSS Statistics 22.0. The workshop was attended by 17 participants.
35. 2 weeks faculty development programs for WCAS faculty on RM-SPSS and MATLAB from 30th August 2015 to 13th Sept 2015.
36. WCAS recently organized a workshop on Entrepreneurship. This workshop was one among the series of Entrepreneurship Development Program and the workshop was on “How to make Business Plan?” The workshop was presented by Dr. S.L. Gupta, Dean of the College.
Mr. Shahid Ali Khan, Assistant Professor, Department of Computer Science and Engineering has published a research paper in refereed and indexed international journal with the following details:

Mr. Rajeev Ranjan, Assistant Professor, Department of Electronics & Communication Engineering has published a research paper in refereed and indexed international journal with the following details:

Ms. Ayclia Edwin, Assistant Professor, Department of Computer Science and Engineering has published a research paper in refereed and indexed international journal with the following details:

Dr. G.P. Mishra, Professor, Department of Management has published a research paper in refereed and indexed international journal with the following details:

Dr. Mohammad Mohatram was invited by Caledonian College of Engineering, Muscat to be the chair for a Technical Session on 22nd April 2015 entitled National Conference on Emerging Trends and Innovations in Chemical and Process Engineering (NCCPE-2015)

Conference attended
Mr. Suleiman Al Harrasi, Deputy Manager from Learning Resource Center, WCAS, attended 21st Annual Conference & Exhibition of the special Libraries Association Arabian Gulf Chapter on the Internet and the Positive change to Librarians and Information Professionals: Enhancing the Digital Knowledge Society’s Information Needs from 17-19 March in Abu Dhabi, United Arab Emirates.
WCAS Rovers Camp 2015

We congratulate our students for the achievements that they bagged in their participation in Salalah Rovers Camp 2015, which was held in Aashoor from 16th August 2015 to 22nd August, 2015 with the participation of more than 300 people from all over the Sultanate, UAE and KSA in which the members of the WCAS clan got four achievements, which are as follows:
A. The First place winner on the third day at the level of the main camp, which consisted of three sub-camps with the participation of 300 rovers
B. The First place winner in the Challenge & Team Building contest.
C. The Second place winner in the Camp Talent Competition by performing a skit.
D. The Second place winner in the Beach Games Competition.

E-Newsletter Certificate Distribution

Students of WCAS Enewsletter team were felicitated by the College on their invaluable contribution to the Enewsletter. They were awarded certificates for the same. Parents as well as faculty were present on this proud occasion. Students expressed their gratitude and thanked the faculty for their support and guidance.
Waljat College placed third in the top management category!

Among the educational institutes, Sultan Qaboos University (SQU) has emerged as the leader in both the top management and executive segments, followed by Majan College which scored 14 per cent in the top management and 12 per cent in the executives categories. College of Banking & Financial Studies takes the third spot among executives while Waljat College is placed third in the top management category. Waljat College also gets the third place among the executive and top management expatriates.

FACULTY GET-TOGETHER

Faculty and Staff of Waljat College Celebrated Iftar Party with a Gala dinner organized on 12th July, 2015 at Grill House, Al Khou.”

Industrial visit to OAB

17 students of BCA VI Semester along with faculty members Mr. Sounaq Paul and Mr. Satish Chander, Department of Computer Science & Engineering visited the Oman Arab Bank Head Quarters. Students were briefed about the Databases, Data Center, Database Environment, Security, Backup plan (daily, weekly, monthly, yearly), Server, Network System, UPS, Operating Interface, 2-Tier Architecture as well as about the physical working system of Oman Arab Bank. Resource person for this visit was Mr. Muhammad Hassan Musleh, Executive Manager, Manager of Operations, Support & Quality Assurance IT. Students were highly motivated and enthralled by the demonstrations and lectures on live application of Databases by a bank.

Industrial visit to Nuhas-Oman

Students from BE-CSE VIII Semester & BCA VI semester visited Nuhas Oman-Speciality Cables and Wires respectively. Nuhas specializes in producing Copper cables and wires for various purposes like power and control cables, instrumentation cables and medium voltage cables. Students gained knowledge on the cable production process and various quality testing methods.
WORKSHOP ON ADVANCED ROUTING AND SWITCHING

The Department of Computer Science & Engineering of Waljat College of Applied Sciences organized a one day workshop on “Advanced Routing and Switching”. The workshop was conducted by Mr. Rashid Said Al-Saidi, Network Engineer and Mr. Majid Abdullah Al-Moharbi, Support Specialist of The Research Council (TRC) of Sultanate of Oman. Final year and pre-final year Bachelor of Engineering students were provided hands on experience on designing a network by configuring switches and routers using the Cisco packet tracer simulator. Students remarked that the workshop was very informative and was an enriching experience.

FAREWELL PARTY

Having served the College for about 7.5 years, a farewell was organized by Department of Computer Science and Engineering for Ms. Sarika Rakesh at WCAS. Prof. (Dr.) S.L.Gupta, Dean of Waljat College, Mr. Ibrahim Al Jahwari, H.R & Admin Manager and Ms. Vijaya, HOD of Computer Science & Engineering share their feelings on this occasion and thanked Ms. Sarika for her contribution to the College during her stay and wished her success in her future endeavors. Ms. Sarika also bade farewell to everyone and wished everyone a bright future.
Industrial visit to Oman TV and radio

Faculty members of Computer Science and Engineering Department along with BE-CSE VIII semester students visited Oman TV and Radio. The students got an opportunity to see the working and functionality of Oman TV and Radio. They were taken around to all the studios of Oman TV followed by a visit to Oman Radio station 90.4 FM and Al Shabab Channel 100 where they got an opportunity to see the Radio Jockey performing live. Students were also taken to control rooms of TV and radio stations. The students were very excited and happy with the informative industrial visit.

Blood Donation

Ministry of Health - Blood Services Department honored Waljat College of Applied Science as World Blood Donor in acknowledgement of its contribution to Blood Donation Camp held every year. The college was honored in a ceremony on 6th September 2015 at Muscat Intercontinental Hotel.

Yoga and music day

Waljat College staff marked International Yoga Day and International Music Day in the college Premises. Yoga and Music therapy for health and fitness was organizing at WCAS.
SIXTH CAREER FAIR 2015

Waljat College of Applied Sciences announced with immense pride the success of its Sixth Career Fair 2015 held, at the College Campus. The Career Fair was inaugurated by Mr. Issa Haider Hassan Al Balushi, Director of Employment, Ministry of Manpower. After the inauguration, Mr. Issa Haider Hassan Al Balushi visited the stalls put up by various companies, accompanied by Prof. (Dr.) S.L. Gupta (Dean), Prof. (Dr.) Alok Kushwaha (Assistant Dean), Mr. Prashant Kumar Singh (Academic Advisor, Training, Placement & Industry Engagement), Mr. Ibrahim Al Jahwary (Admin. & H.R. Manager) and other staff members of the College. The Chief Guest presided over a Press Meet and expressed his appreciation in organizing this event for enhancing the career opportunities of the students. The Dean opined that this Career Fair provided excellent opportunities to students and alumni of college, a common platform to get employment and career-related information from employers, as well as the opportunity to submit their resume to prospective employers. The students were able to explore the availability of Summer Job opportunities as well as Internships in various Companies. The Career Fair 2015, which was a one day event, witnessed the participation of around 50 Companies from different sectors such as Banking, Construction, Hospitality, Trading, Manufacturing, IT, Telecommunication, and Training & Education. It attracted a large number of enthusiastic candidates from amongst the student fraternity of WCAS and more than 500 students from other universities and colleges of Oman.
On the occasion of Open Day, Staff members who completed 10 years of service were felicitated by the Dean, Dr. S.L.Gupta, Waljat College. The Chief Guest Dr Masood Ali Al Harthi, Deputy Director General of Licenses and Educational Services presented a memento to each one of them. The following staff members have been awarded appreciation and recognition certificates on their completion of 10 years from Omzest.

![Dr. Mohatram receiving Memento](image1)
![Mr. Akhilesh receiving Memento](image2)
![Dr. David receiving Memento](image3)

![Dedicated Staff Complete a Decade!](image4)

Your art is what you do when no one can tell you exactly how to do it. Your art is the act of taking personal responsibility, challenging the status quo, and changing people.

*Seth Godin, Linchpin*
Faculty Development Programme at WCAS

Waliat College of Applied Sciences organized a 2-Week Faculty Development Programme (FDP) on Research Methodology and Innovative Teaching Methods for its faculty members. The programme is approved by MoHE, Sultanate of Oman. The basic objective of the programme was to build and nurture a research culture among faculty members in the college. The programme commenced on August 30, 2015. The programme comprised of theory as well as practical sessions to provide a comprehensive exposure to the participants.

The resource persons for the programme included experts from other HEIs and Universities in Oman. Moreover, subject experts from within the college also delivered lectures on various topics of interest related to the theme of the programme. The major focus of the FDP was on fundamentals of Research Methodology, different phases of research (including research design), addressing plagiarism related issues, research proposal development, data analysis, innovative teaching methods, and educational assessment & evaluation. Practical sessions on Mendeley, SPSS 22.0, and MATLAB were conducted as a part of the FDP programme to provide hands on training on referencing & citation and data analysis. Fifty five faculty members from different departments of the college, viz.; Management, English, Mathematics, Computer Sciences, and Engineering participated in the programme.

The programme ended on September 13, 2015 with a Valedictory Function. The Chief Guest for the function was Prof. Ahmed bin Mohammed Al-Naamany, Dean of MCBS. Prof. Ahmed shared a number of significant contributions of the Arab World in the context of science, engineering, architecture, technology, and many other disciplines. However, the shift from Research & Development to mere application and use of appropriate technology, particularly in GCC and MENA region is indicative of a changing paradigm. According to him, many innovation-based economies have witnessed significant growth and development all over the world. In this context, he expressed strong commitment to channelize students in Oman and make conscious efforts in creating and nurturing a strong research culture in the country.

According to Prof. S.L. Gupta, Dean (WCAS), the college intends to organize similar research-based programmes for students, faculty members of other colleges, and employees of different organizations to usher scientific research philosophy and orientation in Oman. The college awarded certificate of participation to all the participants who successfully completed the FDP programme. The college hopes that this programme will help the participants to embark on and/or continue their research journey in a more informed manner.
Dr. Milind Thomas Themalil, B.E., M.E., MIETE, PhD

I joined Waljat College of Applied Sciences, Muscat, Sultanate of Oman in the year 2001 for the Bachelor of Engineering Programme in Electronics and Communication Engineering and passed out in the year 2005. I had a wonderful stay in Muscat and had the privilege of being taught by excellent teachers at the College. I joined the parent University, BIT Ranchi, that same year for Master of Engineering specializing in Wireless Communication and passed out in the year 2007. I made up my mind to pursue a PhD degree and in 2009 registered for my Doctoral degree at Jadavpur University, Kolkata, one of the oldest universities in India. I was awarded my PhD Degree in the year 2015. My work has produced 8 international journal publications and several conference papers nationally and internationally including IEEE. Citations of my research papers can be referred on Google Scholar or ResearchGate. My Doctoral Dissertation is entitled “Design of Microstrip Antennas for Wireless Local Area Network”. The antenna has been instrumental in harnessing the electromagnetic spectrum which is one of our greatest natural resources. The microstrip antenna is an established type of antenna that is prescribed by designers worldwide, particularly when low profile radiators are demanded. A microstrip antenna is a metallic radiating patch fabricated over a dielectric substrate backed by a metallic ground plane and generally used in microwave and millimeter-wave frequencies. Microstrip patch antennas of all shapes are widely used in communication systems where their conformal geometry and low cost are used to advantage. Extensive research and development have been done in the area of microstrip antennas owing to its numerous advantages such as light weight, low volume, low cost, conformal configuration and so on. The development of conformal, low cost antennas for mobile communication handset terminals has recently received considerable attention. For low weight, low profile, low cost antenna, microstrip antenna is the right choice over conventional microwave antennas. Compact, Broadband and Multi-frequency miniature antennas are required for a variety of wireless communications including automobiles, civil and general aviation, GPS, PCS, Cellular, Wireless Local Area Network (WLAN), etc. A Broadband antenna operates over a wide frequency range with a particular center frequency whereas a Multi-frequency antenna operates at two or more resonance frequencies. Thin, low profile, small sized microstrip antenna is one of the most attractive radiating elements used for wireless communications. Microstrip antenna design allows for multi-frequency operations hence a single platform can accommodate 2.4 GHz, 3.6 GHz and 5 GHz WLAN standards. The size reduction together with gain and bandwidth enhancement is becoming a major design consideration for most practical applications of microstrip antennas for wireless communication. Current mobile wireless terminals employ either separate microstrip patch antennas or a combination of two or more in one embodiment in order to achieve multiband coverage of cellular, PCS and WLAN bands. A single low-cost mobile terminal equipped to operate in several regions of the world each with different operating frequency is essential for future generation mobile wireless systems.

“Strive not to be a success, but rather to be of value”
Albert Einstein
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