From the Editor’s Desk

Welcome to the fourth issue Volume 2 of “Impact” The world of achievement has always belonged to the optimist. Optimism is essential to achievement and it is also the foundation of courage and true progress. Let us browse through the achievements of WCAS in a nutshell.

The visit of eminent officials of “Land of the Rising Sun” illumined the portals of WCAS, recently the Counselor as well as Second Secretary, Embassy of Japan enlightened us about the coveted scholarships offered by premier Japanese Universities to bright and aspiring students. Not to be outdone our student team brought laurels to the college at “First Student Creativity Forum Symposium” organized by the Ministry of Higher Education. They combined the applications of GPS and GSM techniques in a very cost effective manner. In this project the students demonstrated how the popular GSM mobile phone can be utilized to locate the public transport and avoid waiting for it. Not far behind was our student team who won the first prize under paper presentation category at the University of Nizwa. Work is worship. Worship encompasses dedication and loyalty to work. The meaning intensifies in real life to cover dedication, working without consideration for reward at the end of it and performing one’s duties regardless of whether one is alone or in front of other people. In connection with work and allied concepts such as performance, is the all pervading area of mental and physical health viz a vis “work”. The buzzword is work-life balance leading to attaining balance between work, family, health, friends and spirit. Imbibe these values and make the world a better place to live in.

Apart from academic achievements galore, our students and staff alike added a feather in its cap in form of the dazzling victory at the Badminton tournament for students conducted at Royal Hospital’s premises in April organized by the Sports Club of WCAS. As all good things come to an end the “Send-off” function to bid farewell to students of the final year signaled the concluding phase of their college life, replete with competitions to achieving titles such as “Mr. Waljat, Ms. Waljat, and the like. The event marked a memorable mile stone in the lives of our outgoing students, with faculty and other students bidding them “au revoir”.

Our esteemed faculty members participated in “Yogathon” and were awarded Gold Certificates from the Art of Living Foundation. Let us be inspired and brighten our lives with a little bit of yoga. Explore your inner self more deeply and get rid of the negativity that saps your strength. Goethe says “Whatever you can do or dream you can do, begin it. Boldness has genius, power and magic in it. Begin it now”. The spirit, the will to win and the will to excel are the things that endure. Our brilliant faculty members have made remarkable presentations in international conferences. Action breeds confidence and courage.

Last but not the least, with summer round the corner and leisure knocking at our doors; we invite all to sip into the nectar of this issue of “Impact”. Happy Reading to one and all.
A. International Journal Publication:


B. Paper Presentation
- International Conference
Vikash Sharma, Dr. Sanjay Kumar, “Recent Developments in MIMO Channel Estimation Techniques.” IEEE Ref. no. 978-1-4673-0734-5.
The paper was presented in “DICTAP-2012”; an International Conference held at Bangkok from 16th -18th May 2012 and was sponsored by Institution of Electrical and Electronics Engineers (IEEE), Thailand Chapter, and The Society of Digital Information and Wireless Communications (SDIWC). About 100 Research papers from 29 countries were presented in the conference.

- National Conference/Symposium

- Lecture Delivered
Sounak Paul delivered a lecture on "Virus/Malware and its defense" in a seminar “Security in Cyberspace” organized by Jadavpur University Alumni-Oman Chapter, held at Indian Embassy, on 31.5.2012.

C. Attended Seminar
Mrs. Alya Said Al-Rawahi and Mrs. Zuwena Al-Harth, attended the Third Arab Seminar (Arab Organization for Administrative Development) at the Crowne Plaza Hotel, Qurum, Muscat on “The Legal Administrative and Financial Skills for the Strategic Leadership,” organized by Ministry of Civil Services from 1st of April to 4th April, 2012.

D. Participation in Yogathon-2012
Yogathon is an initiative to create awareness and interest in Yoga practice for a healthier living. Mr. Arbind Kumar Choudhary and Mr. Joyti Kumar Chandel participated in Yogathon Challenge -2012 and were awarded Gold Certificate. Yogathon Challenge -2012 was comprised of 54 sets (108 rounds) of the Surya Namaskar (12 poses of Yoga sequence).
Student Achievement

Honor for Waljat College of Applied Sciences

Final year Bachelor of Engineering students of the Department of Electronics and Communication Engineering participated in various national level competitions in the Sultanate of Oman and were honored with prizes.

The team of Yahya Zakir, Mohd. Ahsan Kabir Rizvi, Necraja Mohanan and Ashvin Savio Dsilva, won the prestigious first prize at First Student Creativity Forum Symposium organized by the Ministry of Higher Education, Sultanate of Oman at Oman International Trade & Exhibition Centre on 21-05-2012. The idea of "Wise-Call" is an innovative concept proposed and implemented by these students.

They combined the applications of GPS and GSM techniques in a very cost effective manner to help the daily commuters depending on public transport. The team believes that the implementation of the proposed idea will save considerable amount of time of the daily commuters and also save them from discomfort.

The success by the students of BE 8th Semester Electronics and Communication Engineering continued at the University of Nizwa where the team of Hridaya Ashokan, Abhinaya Pillai, Ruchika Varma and Divya Vijayanarayanan won the first prize under paper presentation category. Their paper on Smart NextGen Home was highly appreciated by the judges and visitors and was awarded the first prize. In this project the students demonstrated how the popular GSM mobile phone can be utilized to remotely control home and office appliances. "With the help of this concept we will be able to save a large amount of energy" the students told the e-newsletter team.
Enthusiasm is essential to achieve success. Individuals may have some good qualities and may be short of some but enthusiasm can be aroused in a team without exception by adopting right ways which then becomes contagious and a major strength. Organizational goals spelled out through vision and mission must be constantly pursued through a shared belief and total commitment. The larger goal must have SMART (Specific, Measurable, Achievable, Realistic and Time-bound) objectives to set the desired direction and purposeful progression. At WCAS, we have been ceaselessly working to make all round progress and significantly improving in all spheres of our activities to become the favored destination of students who dream for a bright future and wish to attain knowledge through quality academic programs and develop skills by participating in co-curricular activities that are meticulously designed to prepare them for challenging roles in modern workplaces. We are on the threshold of yet another exciting academic year with new challenges, aims and objectives. The ‘bar of performance’ for all stakeholders has again been raised to further inspire and motivate them. The faculty members are revisiting the course content and its delivery to improve the learning process for students and strengthen their graduate attributes. The administration and student counselors have worked on new student friendly procedures and processes that are simpler yet effective. The student community has acknowledged and focused its attention on the virtues of hard work and discipline that is reflected in their outlook and performance. The good work of each constituent in the system; better connectivity and appreciation of concerns of others have produced desired results. We are now poised to take a leap that would bring us closer to our cherished goal. We have developed a new induction program and approach of pedagogy for new students joining WCAS in academic session 2012-2013 that would encourage them to enter the foundation learning stream without inhibitions and apprehensions. The initiative is premised on our belief that ignorance is not an issue; many times the main problem is unwillingness to learn. Education teaches us that nothing is impossible, if we adopt a right course to achieve it. It is the job of the educator to remove the ‘fear of difficulty’ and ‘false limitations’ from the mind of a student and invite him into the pool of knowledge under his mentorship. I am sure that the WCAS team would live up to the task. The constant self audit and willingness to change surely is one of the major features in our journey towards excellence. The educational world is becoming increasingly dynamic and competitive. We need to be more participative, alert about the happenings around us, learn lessons from the past experience and bring professionalism to our planning and implement the best of practices in respective fields. Actions speak louder than words; let us bring in passion for success that is visible through our dedication and deeds. 

“Nothing great is ever achieved without enthusiasm.” 

- Ralph Emerson
الخلاص في العمل

الخلاص في العمل أساس وتركيز هامة لدى كل فرد يدرك معناها، ويدرك في قراره نفسه مسؤولية تحمل هذه الأمانة العظيمة على عاتقه، كما أن الخلاص في العمل يفتح للفرد من أفاق جديدة لبناء المستقبل الناجح، سواء أكان ذلك في مجتمعه وبين أسرته أم في محيط وبيئة عمله.

وأنتشأ هذا التعريف الذي ورد بمركز الإمام الشيرازي للدراسات والبحوث حيث ورد بأن معنى (الخلاص) في اللغة تعني ذهاب خالص أي خالص من الشواب، ويعني صدق توجه القلب وخلوه من أية شائبة ويزداد في معناه برفق الحياة بأنه التفاني في الأعمال وإتقانها على أحسن وجه، والعمل من أجل مطلوبية العمل دون النظر إلى الثواب والعقاب، ويعكس صورته بأنه الطريق المستقيم إلى الهدف وهو أقصر الطريق للصواب، ثم يرتفع إلى الفنون الذاتية فطريًا ميلة لذلك المبدأ من دون النظر إلى باقي الأبعاد الأخرى، حيث يضع المرجع الإمام الراحل السيد محمد الشيرازي رحمه الله في هذا الجانب علامات مهمة لإثارة في ذلك يقوله حق (الخلاص) تصفية السر عن ملاحظة ما سوي الخلاق وهو واقع لنتائج عرفا الإنسان أو لم يعرفها... ولا يكون ذلك فقط لأجل الجهد من العناكب الأخرى وحسب الرضا الكبير المتفلق بالجانب، فحسب... فإذا شرع الإنسان في عمله وعلمه بخلاص وإيمان نجح نجاحًا متقطع النظر...

للخلاص معاني كثيرة وجوامع متعددة لا يضمن المجال للخصوص فيها، ولكن ما وردت أن أطلق إليه وما يعتنينا هذا بأن تشير إلى الخلاص من التأليف العملية حيث يؤدي الإنسان واجبه على أكمل وجه سواء كان متفهده أم ألم الناس، ويتضح من ذلك أن الإنسان المخلص في داخل ما يركز إليه ومن أمّة هو من يؤدي واجبه دون أن ينقرع أو يفتقد ما إذا كان ذلك بينه وبين نفسه أم على مرأى من الآخرين، فإذا لم يكن الإنسان منخلصًا وصادقًا فيما يقوم به بينه وبين نفسه في المقام الأول، فإنه لا يمكن من تحقيق أماله وطموحاته التي يسعى إليها، أما الذي يظهر نفس ما يطبع فائدًا هو الإنسان الناجح الطموح، والذي لا شك سوف يرقي إلى أعلى المرتفعات نظراً لإخلاصه وتفانيه في أداء عمله.

واقعية لا يمكن تكرارها أنه ما تعلمنا وما تعلمنا ما لا يُشركيء، فإن عين الله لا تثنا، وقد قال سبحانه تعالى في محمك كتابه العزيز (وأي إخالمن أهله إخال من إخلال من الداعين) (105)، فإذا خلصت الحياة خلص العمل وهذا أمر مسلم به لا يقبل القسمة على إثنين، كما أن النبي ﷺ هو مثال لكل من يرغب في إعراض العيش فيما ينفقه من أجل تغيير عمله، من أن يرغب في إطعام نفسه وأهله وكسولهم، من أن لا يرضى الله، ومن أن يرغب في مجال عمان يتاريخ 25 سبتمبر 2001 م حيث قال حافظ الله أن (العمل الجاد ليس هو الفرصة، بل هو الفرصة مارسها القهر من شئ، بل العمل جزء من التعليم، وللثاني أخذ المباد opting disagree to the الخلاص، وإنما ينظر الأفراد إلى الخلاص فيما يحدث).

ولو تأمل كل ما فيه يؤدي وحاسب نفسه لإفصاح حالتنا باتسكا ما نحن عليه، مقدر قيامة ومعنى هذه الكلمة البسيطة وما تحمله في طياتها من معاني كبيرة وقيم، فسأبابية من شأنها أن ترفع من مكانة بين الأمم، الشعوب المتقدمة في حال العمل بها، وما لها من آثار وخبرية في تأثير الأمم في حال عدم العمل بها.

الخلاص

يعتبر العمل عبادة في حد ذاته، وتحمل من الألف، ولا يمتلك الواحد ولا يمتلك، والحقيقة التي يجب أن ننبذه في الحقيبة من التفاس والكلام، ففي إذا الإمام للإنسان يعمل، سبب إن سبيله، وأن الخلاص في العمل هو الركيزة الأساسية تقدم الشعوب وازدهارها... نقلنا جاهدين أتخذنا هذا الوطن العزيز، وسطانة القيادة، من نبدا، رد ذهاب وناقل القيادة، نحن من بين الاعتبار أن ما سيزرع اليوم سيكون حقيقة وحصاد الأبدان.

المراجع

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مركز الإمام الشيرازي للدراسات والبحوث

VOLUME-II (ISSUE-IV) JULY 2012
WCAS- ENEWSLETTER
**Guest Lectures @Waljat**

On 14th March, 2012, Ms. Andrea Abey, Deputy Chief of Staff of the Human Security Division in the Federal Department of Foreign Affairs, Bern, Switzerland, delivered a talk on “Globalization and Corporate Social Responsibility”.

On 18th March, 2012, Professor Mathew J. Manimala from I.I.M. Bangalore delivered a lecture on “Promoting Entrepreneurs and Entrepreneurial Culture in society: The role of Educators”. Dr. G.P. Mishra, Associate Professor, Department of Management co-ordinated the events.

On 2nd April, 2012, Eminent Prof. and Scientist Dr. Akhtar Jamal Khan from Sultan Qaboos University delivered a lecture on “Tissue Culture & Its Application in Agriculture”. The lecture was organized by Dr. Sadaq Zahra.

**Antakshari**

The Music Club WCAS held a session on the popular Indian song-based game “Antakshari” on 25th April, 2012. The session was organized by Mohammed Pervez, Secretary of the Music Club and was compered by Farah Khan. After the initial elimination round, 5 teams entered the finals, where, many rounds like rapid fire, remix (audio), video etc were played. Reham Rauf, Masooma Shaikh, and Ayesha Nazar won the session and Akash Agrawal, Nilofer, and Zoya Shaikh won the runners up.

**Badminton Tournament**

The WCAS Sports Club organized a Badminton tournament from 14th-15th, and 17th April, 2012 at Royal hospital’s entertainment hall. The tournament was played on knockout basis; and in different rounds. On the first two days 80 matches were played, on the third day Semi-finals and Finals were played. Winner of the tournament in the category of Men’s Doubles were Anurag and Joe, and in Mixed Doubles were Akash Agrawal and Nilofer.
Short Film Competition

WCAS Photography Club had organized a Short Film Competition on 2nd May 2012 on the theme "College". Six short films were submitted by the students; out of which "Days Gone By" directed by Bilal Rizvi (BE-EC-VI semester) won both the ‘Best Film’ and ‘Best Director’ awards. The other commendable films screened were “Memories” directed by Sharuk Zalam (BE-EC-VI semester) and “College-Life” directed by Kushboo (BE-BT-II semester).

Club also takes privilege in proclaiming the student’s achievements at International Level. Midhun Mikkun’s (BBA VI Semester) directed short film "700 Degree Celsius"; to create val (24-31st March, 2012) as a part of Indian Short Films under Oman Film Meet. Out of the 100 entries to the film fest, this movie made it to the top 8. Crew for the movie from college included; Director, Editor, and Cinematographer: Midhun Mikkun (BBA VI Semester), Boss in Office Scene: Drizzle Cherian (BE-EC-VI semester), Key Grip: Kevin Varghese [Last year pass out BBA].

Another short film; "12th November" done by Laji John Mathew and Sharuk Zalam has also made to the top 8, which was rescreened in Radisson Blu on 28th March. Crew from the college was; Director: Laji John Mathew (BE-EC-VIII semester), Editor: Sharuk Zalam (BE-EC-VI semester) awareness about PASSIVE SMOKING; which was selected and screened in the 7th Muscat International Film Festi.

Workshop on “Goal Setting and Career Planning”

Workshop on "Goal Setting & Career Planning" was organized by the Department of Management, on 2nd May 2012 and was conducted by Mr. Syed Aulia & Ms. Nupur Sen (designation). The workshop was attended by 35 participants. Dr. Mohan Varma, Dean WCAS addressed the participants during the inaugural ceremony, he summed up his motivating and inspirational speech with the punch line “You should be the best at your best”. Mr. Syed Aulia Assistant Professor, Department of Management has delivered a talk on “Goal Setting” which was followed by an interactive activity sessions based on the theme of the workshop.

SignOut 2012

A farewell to the batch 2011-12 was held in the College on 24th May 2012. Many activities were organized by the students; Akash Agrawal was selected as ‘Mr. Waljar’, and the title of ‘Ms Waljar’ went to Prili Avichal, while Sunny Seth was selected as ‘Mr Popular’, Frasha Khan was chosen as the ‘Ms Popular’. In other categories the title of ‘Mr Talented’ went to Fayaz Pazi from ‘Ms Talented’ to Rosy Thomas, Jack Prasad was selected as ‘Mr Stylish’ and Jiya Mary as ‘Ms Stylish’. Anurag was selected ‘The Hidden Gem (Male)’ while Hinal Dilip won the ‘Hidden Gem (Female)’ title for herself.
Japanese Counselor visits

Mr. Shinichi Yamanaka, Counselor, and Mr. Katsuya Tamaki, Second Secretary, Embassy of Japan visited the college on May 26th, 2012. Mr. Yamanaka shared his views on different areas of technological development of Japan, its current status and achievements. In his talk, he emphasized on academic collaborations for higher education between Japan and Oman and delivered a talk on specific details about Japanese higher educational programs and application processes for Omani students along with fellowship and other details.

The lecture was followed by question and answer session and thereafter a brief visit to the college facilities was organized. The visiting officials had a meeting with Dr. Mohan Varma, Dean WCAS and discussed the matters of mutual interest. Dr. G.P. Mishra, Associate Professor in the Department of Management received the guests and proposed the vote of thanks.

Experiencing thrill and excitement with Adventure Club – WCAS

“The purpose of life, after all, is to live it, to taste experience to the utmost, to reach out eagerly and without fear for newer and richer experience.” — Eleanor Roosevelt.

Adventure club WCAS had organized two day rock climbing training course on May, 29-30th, 2012 at Muscat Diving & Adventure Centre. In a 2½ hour rigorous training program each day students and staff members learnt awareness of safety rules and hazards, donning a harness and helmet correctly, connecting harness to rope, climbing and descending from a chosen route with confidence and other climbing moves etc., They were presented with Certificate of Appreciation for “Foundation Climber I – level 1”.

According to Prof. In-Charge Adventure Club; Mr. Jyoti Kumar Chandel, activities of the Club are aimed at new participation program to participants to inculcate and

Oasis Annual Open Day

WCAS celebrated a two day event “Oasis Annual Open day” on 28-29th April, 2012. The main aim of the event was to develop a greater understanding between the staff and the students of different ethnicity through displaying, sharing and exploring cultures of their countries such as Oman, India, Sudan, Palestine, etc. The Chief Guest H.E. Mr. Mohammad Abdullah Al Busaidi, Wali, As’ Seeb Wilaya, Sultanate of Oman, inaugurated the function. Various activities including food stalls and games, fine arts exhibition, traditional village shows, drama & cultural programs, car show, W.A.R, debate, raffle draw, rock fest, etc., were organized by the students.

The main organizers of the event were Dr. Sheeba Khan, Prof in charge Cultural Club, Ms. Alya Said Al-Rawahi, Student Counselor, Dr Ismaeel Baki Mohammed, Student Counselor and Mr. Mohammad Mohatram, Prof in charge Student’s Activities.
September the 5th, 2008 is a memorable day for us. It was the day when we stepped into Waljat College of Applied Sciences (WCAS); the day when we began our journey of a lifetime, and today we stand at a junction; a junction of many possibilities and opportunities.

WCAS gave us a lot of opportunities to display our talents within the college as well as at a National level. Events such as the 1st Student Creativity Forum (1SCF) and the 2nd National Symposium for Engineering Final Year Projects (2nd NSEFYP) were two of the most prestigious events held this academic year.

Yahya Zakir, Mohd. Ahsan Rizvi Kabir, Ashwin Savio D'Silva and Neeraja Mohanan won the 1st prize for their project “Wise Call – GPS Alert System” at the 1SCF, and the team comprising of Hridya Ashokan, Abhinaya Pillai, Ruchika Varma and Divya Vedavalli won the Best Presentation award for their project “Smart Home – An Application of Wireless Communication in Home Automation” at the 2ndNSEFYP.

The 1SCF was a three day event. It gave us the opportunity to meet top dignitaries and people from various cultures and ethnicity. The appreciation we earned from the people has given us a moral boost and has instilled in us the zeal to do even better with time and experience. We also got an opportunity to interact with students from all over Oman.

Our project, ‘Wise Call’, is a device which automatically generates an alert to the passenger who would be boarding his/her transport, based on their location. This works on the GPS and GSM technologies. Our device eliminates the chaos affecting the lives of passengers, due to their commute.

On presenting ‘Wise Call’, people were really eager to know when it would be commercialized, so that they can live an easier and a peaceful life. Moreover, questions and points of view shared by the public enabled us to dynamically think of solutions and add to the list of the vast future of our device.

The 2ndNSEFYP was also an interesting event. It was a tiring day, but ended fruitfully. It was really enjoyable to be with our teachers and friends.

Participating in events of such stature gives us a lot of experience and knowledge. Winning is secondary. A desire to excel and the will to work hard is all you need to achieve success.

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The mediocre teacher tells. The good teacher explains. The superior teacher demonstrates. The great teacher inspires.

~William Arthur Ward
A KEY LESSON TO A HAPPY LIFE

Bryan Dyson, the former CEO of Coca Cola gave this short and very powerful 30 seconds speech on work and life balance at the Georgia Tech 172nd Commencement Address Sept. 6, 1996. The key lesson to a happy life is very evident in this powerful speech.

"Imagine life as a game in which you are juggling five balls in the air. You name them – Work, Family, Health, Friends and Spirit and you’re keeping all of these in the air.
You will soon understand that work is a rubber ball. If you drop it, it will bounce back. But the other four balls – Family, Health, Friends and Spirit – are made of glass. If you drop one of these, they will be irrevocably scuffed, marked, nicked, damaged or even shattered. They will never be the same. You must understand that and strive for it.
Work efficiently during office hours and leave on time. Give the required time to your family, friends and have proper rest. Value has a value only if its value is valued."

(Source: http://www.webtrafficroi.com/short-powerful-speech-by-coca-cola-ceo-bryan-dyson/)

SRILEKHA GOVEAS
Dept. of Management

INTERESTING FACTS ABOUT AN ENGINEER

1. A chemist, a biologist and an electrical engineer were on death row waiting to go in the electric chair. Under this particular State’s law, if an execution attempt fails, the prisoner is to be released.
   The chemist was brought forward first. 'Do you have anything to say?' asked the executioner, strapping him in.
   'No,' replied the chemist. The executioner flicked the switch and nothing happened, so as per the law, the chemist was released.
   Then the biologist was brought forward. 'Do you have anything to say?' asked the executioner. 'No, just get on with it.' The executioner flicked the switch, and again nothing happened, so the biologist too was released.
   Then the electrical engineer was brought forward. 'Do you have anything to say?' asked the executioner. 'Yes,' replied the engineer. 'If you swap the red and the blue wires over, you might make this thing work.'

2. A mechanical, electrical and computer engineer were on their way to a meeting when suddenly the car in which they were riding broke down. ‘It’s probably a cable that opens the valve on the carb, has become loose so pop the hood and I’ll have us back on the road in no time’, said the mechanical engineer.
   ‘I doubt it,’ replied the electrical engineer. ‘It has been observed that 83.2% of similar failures result from the distributor contacts becoming corroded or misaligned, I’ll clean the contacts and we’ll be on our way.”
   “No, no, no!” cried the computer engineer. “This car is equipped with a state of the art computer, what we need to do is turn the key off, all get completely out of the car, then get back in and it should start like normal.”

NUTANLATA NATH
Dept. of Electrical Engg.
It’s time for change!
Change means action, innovation and commitment. Change is the very essence of life. Let’s work hard to make our college a better place by the day. Every step we take, every effort we make, contributes to overall improvement in our lives.

Be the change that you want to see in the world!

“Mahatama Gandhi”
Programs Offered

Undergraduate Programs:
- Bachelor of Engineering in Biotechnology
- Bachelor of Engineering in Computer Science
- Bachelor of Engineering in Electronics & Communication
- Bachelor of Computer Application [Full-time & Part-time]
- Bachelor of Business Administration [Full-time & Part-time]

Postgraduate Programs:
- Master of Business Administration
- Executive Master of Business Administration

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