



News & Views

A Monthly News Letter

RAJ KUMAR GOEL GROUP OF INSTITUTIONS

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Jan. & Feb., 2010

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Founder
(Late) Sri Raj Kumar Goel

Commandment

from the Founder

We are building our institute as an ideal family, the **RKGIT PARIWAR** where members strive for the development, well being and promotion of each other.

अज्ञानेनावृतं ज्ञानं ।

श्रीमद् भगवत् गीता अध्याय 5, श्लोक.15



Prof. Dilip K Bandyopadhyay

Vice Chancellor



Vice Chancellor

Guru Gobind Singh

Indraprastha University

MESSAGE

It is heartening to know that Raj Kumar Goel Group of Institutions, Ghaziabad brings out a newsletter, 'News & Views', about various activities, developments and achievements of its institutions. Publication of Newsletters, not only encourage the students, faculty and staff to contribute and exhibit their talent, creativity and communication skills but also help them in their normal learning process, in and outside the classrooms. The contents of the newsletter surely influence and inspire the young students and the faculty to make them a good leader in their field/profession.

I am also happy to note that RKGIT pariwar is committed for the development, well being and promotion of its members. The purpose and vision behind commandment of its founder late Sri Raj Kumar Goel, undoubtedly, is the promotion of academic, creative and other diversified activities undertaken by its group of institutions. The students and the society will certainly be benefitted from the 'News & Views', published and expressed in this monthly newsletter.

I convey my personal felicitations to the students, faculty and all the members of RKGIT pariwar for bringing out successfully this newsletter periodically.

(Dilip K Bandyopadhyay)
Vice Chancellor

FROM THE DESK OF THE EDITOR



Research is an integral part of teaching-learning process. The faculty should keep itself abreast of the latest developments taking place in the respective field, only then they can add value in their students. This edition of 'News & Views' includes the various research activities undertaken by the faculty members of various departments of RKGIT. It also has an article on cloud computing, the latest buzzword in information technology.

Looking forward to your constructive suggestions.

Prof. Arvind Singh
Principal - RKGIT (MBA)



RAJ KUMAR

NEWS FROM RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY, GHAZIABAD

Two days seminar titled “Train The Trainer” for the BEC (Business English Certificate) in RKGITW

A two days seminar was organized by RKG group, in RKGITW on the 4th and 5th January, 2010. The main objective of this seminar was to improve the communication skills of students with the use of BEC modules. The seminar started with a brief introduction of BEC by Mr. Siddharth Sinha. Mrs. Vijaya Shankar, who is a BEC trainer, told the importance of reading, writing, listening and speaking skills. She also told about topic areas covered in the BEC suite of examinations- functions and communicative tasks tested. Some sample papers were also discussed with the participants. An explanation of what BEC candidates can do at the three levels i.e. preliminary, vantage and higher was given. Participants were provided with valuable guidelines on preparing students for BEC with sample activities. The seminar was attended by Prof. B. K. Gupta (Advisor), Prof. V.K. Jain (Director, RKGITW), Prof. Rakesh Goel (HOD, Deptt. of Humanities, RKGITW), members of Training and Placement and faculty of Professional communication of RKGIT, RKGITW and RKGEC Pilkhuwa.

Ms. Shalini Sharma
(PC Dept. RKGITW)



Mrs. Vijaya Shankar delivering the lecture



Delegates attending the Seminar

Pool Campus recruitment drive of Infosys Technologies

Pool Campus recruitment drive of Infosys Technologies Ltd. was held on 20th & 21st January, 2010 in the Training & Placement department of RKGIT. RKGIT GNIT, ABES, VIET, Ideal and IMS participated in the campus drive. It covered the branches of CS, IT, EC, EN, AEI, ME and MCA. Total 1200 students from different colleges participated in the event, 52 students finally got selected in Infosys Technologies Ltd. from RKGIT. Mr. Sudhir Mishra - Regional Recruitment Head Northern and Western India of Infosys Technologies Ltd. was all praise for the management of RKGIT.

Seminar on Future Trends in Information & Communication Technologies FTICT-2010

Department of ECE created land mark in its existence by holding 1st ever National Conference on “Future Trends in Information & Communication Technologies” FTICT-2010 on 13.02.10. Chief Guest was Prof. (Dr) V. K. Jain, Director General of HRIT and Ex-Director & HOD CSE, HBTI Kanpur, an eminent Information Technologist and key note speaker was Prof. H. M. Gupta, Ex-H.O.D Electrical Engineering Department, IIT, Delhi an eminent scholar in field of Communication Engineering and Chairman Institute of Communication Engineers & Information Technologists (ICEIT). 51 papers were received from different parts of the country. Reputed institutions like NSIT, AMU, IITK, IITD, HBTI and leading private institutions were represented in conference. Advisor Prof. B. K. Gupta and Director Prof. M. P. Jakhanwal also addressed the delegates. Prof. K. K. Tripathi, HOD, ECE and Chief Convener welcomed the delegates and guests and introduced the theme of conference. Valedictory function was presided by Prof. M. P. Jakhanwal and certificates of paper presented were distributed. Various papers were presented in two parallel sessions held in Seminar Hall D-block and in auditorium in T&P Cell. Mr. Ramendra Singh, Convener presented vote of thanks in inaugural session & Mr. Rajesh Kumar, Co-convener in valedictory session. Conference was well attended by prominent dignitaries including Dr. V. K. Jain, Director, RKGIT (Women), Principals of Pharmacy, MCA & MBA, HOD and faculty members from various departments of RKGIT apart from delegates.



Inauguration of Souvenir



The dignitaries in the inaugural ceremony



Delegates attending the seminar

Only you can change your life, no one can do it for you.

GOEL GROUP OF

CONGRATULATIONS !!



Ms. Vibhuti (Associate Professor) was awarded the Ph.D degree in Business Administration on the topic "Policies & Practices of Recruitment & Training in Banking Sector in India" under the supervision of Prof.(Dr.) N.L Sharma, Reader & Head, Business Administration Department, K.R (P.G) college, Mathura.

This research was carried out mainly to study present policies and practices of recruitment and training of employees of public sector banks in India which has been compared at appropriate places with foreign banks.

The Banking sector in India has always been one of the most preferred avenues of employment. In the present scenario, this has emerged as a resurgent sector in the Indian economy. Today, banks have diversified their activities and are getting into new products and services such as credit cards, consumer finance, wealth management, life and general insurance, investment

banking, mutual funds, pension fund regulation, stock broking services, custodian services, private equity, etc. Further, most of the leading Indian banks are going global, setting up offices in foreign countries, by themselves or through their subsidiaries. Public Sector Banks are the major recruiters of candidates aspiring for bank jobs but through this research it has been identified that still public sector banks rely on the older method in the form of written tests as the means of recruitment.

Recruitment is a linking activity as it brings together those with jobs and those seeking jobs. But now recruitment has become a complex process in banking sector as it is affected by a large number of factors such as globalization, government reservation policies, liberalization, standard of living etc. Further because of introduction of new products and services in the banking sector there is need of providing continuous training to the employees.

Congratulations !!!

It is a matter of great pride for the department of MCA that Dr. Sohan Garg (HOD) has been appointed as external guide to supervise Ph.D in computer science for National Law University, Jodhpur (Rajasthan).

DEVELOPMENT OF ORAL SOLID CONTROLLED RELEASE PRODUCTS

Mr. Sunil Khatak, Lecturer, College of Pharmaceutical Sciences, RKGIT

This guest lecture was delivered at AICTE sponsored National Seminar on "Innovation in Novel Drug Delivery System". organized by Ram Gopal College of Pharmacy, Sultanpur Jhill, Farukhnagar, Gurgaon, Haryana on 12th - 13th December, 2009.



Sunil Khatak, Lecturer (Pharmaceutics)
College of Pharmaceutical Science, RKGIT

The oral controlled release dosage forms are preferred due to reduced dosing frequency, improved patient compliance, reduction in drug plasma fluctuation, more constant therapeutic effect, attenuation of adverse effects, increased safety margin, maximum utilization of drug, great selectivity of pharmaceutical activity, sustained blood level, reduction in health care cost etc. Almost all the oral solid controlled release products on today's markets are based on the design of Matrix, Membrane controlled / Reservoirs and Osmotic systems. Basic Pathway to design an oral controlled release dosage form can be depicted in follows steps : Selection of polymers, Selection of drug, Initiation for development, in-vitro & in-vivo evaluation/correlation, Optimization, Scale up, Filing, approval and product launching.

Optimal Energy Control of Induction Motor by Hybridization of Loss Model controller Based on Particle Swarm Optimization and Search Controller

Mr. T.R. Chelliah (AP) and Mr. J.G. Yadav (AP and HOD), EN Department, RKGIT

This paper presents simulation studies on the optimal energy control of an inverter-fed three-phase induction motor (1 hp). An overview of various controllers: loss model controller, search controller and their hybridization are given. Induction motor parameter variations due to temperature rise and core saturation are considered when loss models are derived. Mine hoist drive of a mineral industry and the implementation of efficiency optimization controllers with the help of Particle Swarm Optimization (PSO) and fuzzy logic are given. Fuzzy Pre-Compensated Proportional Integral (FPPI) is used to improve motor's dynamic performances during the activation of optimal energy control. Analysis shows that it is possible to conserve energy in Indian industries by choosing several possible ways of implementing optimal energy control.

RESEARCH ACTIVITIES

Paper Presented EN Deptt.

• Mr. J. G. Yadav and Mr. T. R. Chelliah presented a research paper titled, 'Optimal Energy Control of Induction Motor by Hybridization of Loss Model Controller based on Particle Swarm Optimization and Search Controller' in the International Conference, BICA-2009 Bhubaneswar, jointly organized by IEEE, MIR Labs and SOA University Bhubaneswar, held on December 21-22, 2009.

PC Deptt.

• Dr. Babita Tyagi presented a paper untitled 'Fluency practices in engineering classroom' in a national conference on the topic, 'Tech Lingual Communication' on November 30, 2009 at H.R. Institute of Tech., Gzb.

College of Computer Applications

• Ms. Kavita Saxena presented a paper titled, "Software Reliability and Testing: Agile Software" in a national level conference on the topic 'Issues & Challenges in Cloud Computing', held at Institute of Management and Research on 14th November, 2009.

The more you trust yourself, the easier your life will flow

INSTITUTIONS

College of Pharmaceutical Sciences

- Ms. Priyanka Singh presented a paper titled "Role of Pharmaceutical care practices in health promotion and disease prevention." at an international conference 'Recent Advances in Environmental protection, RAEP 2009; held at St. John's College, Agra from 17th-19th Dec. 2009.

College of Management Studies

- Mr. Shashank Dubish, Mr. Ram Kumar and Mr. Ajay Rathore presented a paper titled "Business challenges and opportunities in South Asia with focus on marketing and customer value management" at an international conference on the topic, 'Business challenges and opportunities in South Asia, organized by Punjab Commerce and Management Association, held at Chandigarh on 24th -25th Oct.2009.

- Mr. Shashank Dubish and Mr. Ajay Rathore presented a paper titled "FIIIs, FDI and new era challenges" at a national conference 'Management Challenges in the changing global business scenario' held at GNIT, Greater Noida on 28th and 29th Nov. 2009.

- Mr. Shashank Dubish and Ms. Charu Singh (T&P) presented a paper titled 'Market research in India' at a National seminar, 'Global Business Scenario : Issues & challenges, held at Lord Krishna Group of Institutions on 6th Dec. 2009.

- Mr. Vishal Srivastava and Mr. Ajay Rathore presented a paper titled 'Core competencies required for auto components MNCs' at a national conference 'Management Challenges in the changing global business scenario' held at GNIT, Greater Noida on 28th and 29th Nov. 2009.

Conferences/ Seminars Attended

Chemistry Department

- Dr. Poonam C. Kumar, Head, Department of Chemistry attended 'First Asian Carbon Conference (FACC- 2009), held at Indian Habitat Centre, New Delhi, India during November 25-27, 2009.

PC Deptt.

- Dr. Neena Sharma and Ms. Mokshi Juyal participated in a national conference on the topic 'Tech Lingual Communication' on November 30, 2009 held at H.R. Institute of Technology, Ghaziabad.

Cloud Computing and its Applications



Kadambri Agarwal
Asstt. Prof., RKGITW

Cloud computing infrastructures enable companies to cut costs by outsourcing computations on-demand. However, clients of cloud computing services currently have no means of verifying the confidentiality and integrity of their data and computation. The term "Cloud Computing" has been mentioned for just under two years in relation to services or infrastructural resources, which can be

contracted over a network. Thus, the idea of renting instead of buying IT is nothing new. And so, cloud computing has many antecedents and equally as many attempts to define it. The players in the large world of clouds are software and service providers, outsourcing and hosting providers, network and IT infrastructure providers and, above all, the companies whose names are closely linked with the Internet's commercial boom. But, all these services in combination outline the complete package known as 'Cloud Computing' – depending on the source with the appropriate focus. That which long ago established itself in the private environment of the Internet is now, noticeably, coming to the attention of businesses too. Not only developers and startups but also large companies with international activities recognize that there is more to cloud computing than just marketing hype. Cloud computing offers the opportunity to access IT resources and services with appreciable convenience and speed.

How cloud computing works

In traditional enterprise computing, IT departments forecast demand for applications and capacity and invest time and money to develop those resources in-house or purchase them from others and operate them in-house. With cloud computing, institutions procure IT services from remote providers, and campus constituents access these resources over the Internet. E-mail, for example, long considered a staple of an institution's IT operations, can be obtained from a range of sources, and a growing number of campuses contract with outside suppliers for this function. Software is hosted by the provider and does not need to be installed—or

maintained—on individual computers around campus. In some cases, a large university or a consortium might become a provider of cloud services. Storage and processing needs can also be met by the cloud. Institutions pay only for the resources used, and users can access the applications and files they need from virtually any Internet-connected computer. In a mature cloud computing environment, institutions would be able to add new IT services or respond to changes in capacity on the fly, saving capital costs that can be redirected to programs of strategic value to the institution.

Significance of cloud computing

Cloud computing presents IT organizations with a fundamentally different model of operation, one that takes advantage of the maturity of web applications and networks and the rising interoperability of computing systems to provide IT services. Cloud providers specialize in particular applications and services, and this expertise allows them to efficiently manage upgrades and maintenance, backups, disaster recovery, and failover functions. As a result, consumers of cloud services may see increased reliability, even as costs decline due to economies of scale and other production factors. With cloud computing, organizations can monitor current needs and make on-the-fly adjustments to increase or decrease capacity, accommodating spikes in demand without paying for unused capacity during slower times. Aside from the potential to lower costs, colleges and universities gain the flexibility of being able to respond quickly to request for new services by purchasing them from the cloud. Cloud computing encourages IT organizations and providers to increase standardization of protocols and processes so that the many pieces of the cloud computing model can interoperate properly and efficiently.

Conclusion

In this article I have presented the review of cloud computing and its various applications. The concerns about the confidentiality and integrity of their data and computation are a major deterrent for enterprises looking to embrace cloud computing.

Wealth is the product of man's ability to think

Students Corner

Conquer Yourself by Knowing Yourself

Researchers say that humans use only 10% of their brain, while much more one can do because every one has resources. Similarly everyone has limits, but we never know our limits until and unless our skills have been put to examine or test. As soon as we face danger or find ourselves in a complex competitive situation which is uncertain, our stimuli respond faster and as a result we see, smell, think and move faster accordingly. This human behavior or nature clearly shows that we all are capable to act and can do much more than we think or assume our capabilities are. So if we think positively we can realize that these uncertain danger and situations in one or the other way help us in knowing our inherent powers and true strength and can be treated as that, we just need to be pushed to find our true potential.

All must be aware of two most universal human characteristics i.e. fear and laziness. Some of us are not afraid but actually we are just sometimes not bothered. 'So what?' are the two most dangerous accountable words? "So what, I'm weak? So what, I'm not using my abilities to their best?" These are questions that can never be answered. But think about it a while, if everyone starts asking you the same questions, how will you feel? If all great leaders start saying "So what, the country is unhappy?", If your grocer says "So what, you are hungry?", If your garbage collector says "So what, your home is dirty?"; pointing their fingers to you, how would you sense? Similarly, now look upon the words 'What if?' "What if, you become someone great worth remembering?", "What if, you can make people proud of you?" The worst thing of human characteristic is being complacent which means that they assume themselves that they are weak and that's all they are capable of. When you start to say, "This is the way I'm and there's nothing I can do about it." No one can help you in such a situation. Even your positive qualities and skills will be a waste with such an attitude.

Many researchers have proved that 80% people are successful because of their positive attitude, self confidence, flexible and pleasant personality; while only 20% people because of their knowledge and skills. Just think and compare, "Can a person without good attitude be a better person?", "Can a student without good attitude be a better student?", "Can an employee without good attitude be a better employee?" So positive and pleasing attitude is one of the bases required for achieving success as well as acquiring higher position in society. Some of the attitude development factors are, "change focus i.e. look for the positive, make a habit of doing it now, develop an attitude of gratitude, build a positive self esteem, stay away from negative influences and always learn to like things that need to be done."

In today's competitive world everyone wants to be successful but think how many of them are really achieving it? Some of the considerable reasons for not achieving success are, "Unwillingness to take risk, lack of persistence, lack of deciding priorities, lack of conviction, unwillingness to plan and purpose, rationalization, lack of discipline and lack of courage."

Success or failures are directly related to one's personality because it is seen that a person with positive personality always achieves success and excellence in life as compared to a person holding a negative personality. Personality should be flexible rather than rigid so as to easily cope up with the changing environment. Positive personality building factors are, "acceptance of responsibility, showing consideration, not criticizing and complaining, choosing your words carefully, being a good listener, being enthusiastic, discussing but don't arguing, turning your promises into commitments, not being dependable and sarcastic, being empathetic, practicing honesty, integrity, sincerity, loyalty, humility and generosity." Success can never be achieved without goals or aims because they are the motivating factor which make a person fight and lead him /her towards his ultimate success. Goals focus on what a person really want from life and thereby set certain standards for growth. So if you really wish to taste success in your life set goals which you have to achieve and always keep your eyes on your goals. Scrutinize your goals, balance them and the most important is that they should be consistent with your values.

There are certain principles which every individual set as standards in his life and move through out the life on those principles assuming them to be correct. These principles are known as moral values and pool of moral values make a value system. Everyone lives in their own value system which greatly influences the make up of an individual's personality, attitude as well as growth. So it is very important to have knowledge of your value system. According to Mahatma Gandhi, seven sinful and most injurious value systems are, "wealth without work, pleasure without conscience, knowledge without character, commence without morality, science without humanity, religion without sacrifice and politics without principle." So friends, you just need to find it and the first place to look into is within yourself. Believe in yourself and only then you can expect others to believe in you which form the first step towards success. Start taking care of yourself even if no one else does care for you because the last person to give up on you should be yourself.

Mr. Rajeev Singh
MBA First Year, RKGIT

Soul Byte

A Word Says

1. The most selfish
one letter word '*I*'
2. The most satisfying
two letter word '*WE*'
3. The most poisonous
three letter word '*EGO*'
4. The most used
four letter word '*LOVE*'
5. The most pleasing
five letter word '*SMILE*'
6. The fastest spreading
six letter word '*RUMOUR*'
7. The hardest working
seven letter word '*SUCCESS*'
8. The most enviable
eight letter word '*JEALOUSY*'
9. The most powerful
nine letter word '*KNOWLEDGE*'
10. The most essential
ten letter word '*CONFIDENCE*'

Vijay Kumar Agarwal, (Lecturer) RKGCMT

Staff Corner

Don't Quit

When things go wrong as they sometimes will,
When the road you're trudging seems all uphill;
When the funds are low and the debts are high;
and you want to smile, but you have so shy
When care is pressing you down a bit...
rest if you must, but don't you quit.
Success is failure turned inside out,
the silver tint of the clouds of doubt,
and you never can tell how close you are,
it may be near when it seems so far;
So stick to the fight when you're hardest hit...
It's when things go wrong, that you must not quit.

Mr. Dheeraj Srivastava
Computer Programmer (CSE) RKGIT.

Many many happy returns of the day

RKGIT

| | |
|----------------------------------|--------------------------|
| Mr. Dilip Kumar Gupta (Pharmacy) | – 1 th March |
| Ms Indu Bala (IT) | – 9 th March |
| Ms Monika Sachdeva (Pharmacy) | – 10 th March |
| Ms. Nitesh Verma (CS Dept) | – 10 th March |
| Ms. Renu Rani (EC Dept.) | – 15 th March |
| Ms. Shweta Verma (Pharmacy) | – 20 th March |
| Dr. Arvind Sharma (Physics Dept) | – 21 th March |
| Ms. Megha Kansal (EC Dept.) | – 22 th March |
| Ms. Kiran Srivastava (EN Dept.) | – 30 th March |

RKGIT(W)

| | |
|---------------------------------|--------------------------|
| Ms. Shalini Sharma (PC Dept.) | – 2 th March |
| Ms. Vaishali Agarwal (IT Dept.) | – 8 th March |
| Mr. J.P. Navani (EN Dept.) | – 8 th March |
| Prof. Rakesh Goel | – 19 th March |

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