



Octane Contours

(Newsletter of Rajiv Gandhi Institute of Petroleum Technology, Rae Bareilly)

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From the Director's Desk



We have entered 2013 with high hopes to keep the nation's trust live to develop trained Human Resources for Oil, Gas, and Petrochemical Industry and promote frontier R&D in these areas. To achieve the set goals, we have initiated collaborations with renowned institutes in India and abroad and organized an

international conference with IIT Roorkee. RGPT participated in Petrotech-IOCL R&D Conclave in Kochi and International Conference for Academic Institutions in Gandhinagar which have given opportunity to interact with industry experts and academicians. These collaborative works have also started recognizing the efforts of our faculty and they are getting nominated by Govt. of U.P. & Govt. of India as committee members for policy development works. Also, DST has approved two research projects during the last quarter.

As like their mentors, our students too are excelling at national and international fora. 'Best Chapter Award to RGPT Student Chapter of Petrotech', 'Best Poster Award at WPCC', 'Best Paper Award at SPE Fest', 'Sports Trophy', etc. demonstrate the academic and extra-curricular caliber of our

students. On the other hand, students' fest like- Oilspring and Oilympics organized at RGPT have given opportunity to students to interact with students of other institutes and compete with them.

Our efforts to provide an opportunity to students to interact with industry experts have continued. We have hosted the visits of luminaries like Director-Petrotech, CEO Cholamandalam, VP-L&T MHI Boilers, Director (E&P)-OISD, MD-Rig Tech., etc. at both Rae Bareilly and Noida campuses and are planning to continue this effort in the next academic session too. Our institute is open to collaborate with your esteemed organization/ institution for R&D work, training programmes and guest lectures.

This issue of newsletter will give you a glimpse of our students' achievements, programmes organized at RGPT and R&D works undertaken at institute. We would be pleased to get your feedback on our programmes described in this newsletter & also available on our website- www.rgpt.ac.in.

J. P. Gupta
Director, RGPT

RGPT signs MoU with University of Allahabad



Rajiv Gandhi Institute of Petroleum Technology (RGPT), Rae Bareilly has signed an MoU with University of Allahabad on 3rd February, 2013 to work together in the areas of education and research. University of Allahabad is a 125 years old university and has produced a President of India, seven Chief Justices of Supreme Court and renowned people in all other walks of life.

RGPT faculty to help UP Govt. in Policy Development



Dr. A. Shukla (Asst. Prof., Physics) has been nominated as a committee member by the Government of UP to draft policy framework for Education, Energy, Water & Environment (to be renamed as Natural Resources & Environment) sectors for the state.

In this regard, Dr. Shukla attended the Brain Storming Session on "Role of Science & Technology in Socio-Economic Development of Uttar Pradesh" held on 2nd April, 2013 at Yojana Bhawan, Lucknow. The meeting was organized by Council for Science and Technology, Govt. of Uttar Pradesh and was chaired by Honorable Minister for Science & Technology, Prof. Abhishek Mishra. Seven major

sectors were identified in the discussion, namely-Food security and agriculture, Health care and nutrition, Water and Environment, Diagnostics and medicine, Education, Energy, S&T for handicraft, and Cottage industry. Seven subgroups were also formed to draft the first science and technology policy of the state.

Nomination

Dr. A. Shukla has also been nominated as a member of committee on nuclear theory to submit a report to the Department of Science and Technology, Govt. of India for establishing Centers of Nuclear Theory and increasing nuclear physics activities.

RGIPT organizes international conference in collaboration with IIT Roorkee

RGIPT organized an international conference on “Challenges in disaster mitigation & management strategies” in collaboration with the Centre of Excellence in Disaster Mitigation and Management, IIT Roorkee. This 3-day conference was held at IIT Roorkee, Uttarakhand from 15th-17th February, 2013. Delegates from India, Japan, South Korea, Iran, Indonesia, Philippines, etc. had participated in the conference and shared experiences about disaster management. Dr. J. P. Chakraborty (Asstt. Professor, Chemical Engineering) was a Co-organizing Secretary for this international event.

Prof. J. P. Gupta attended the Petrotech-IOCL R&D Conclave



Delegates present during IOCL R&D Conclave in Kochi

Petrotech in association with IOCL (R&D) organized the 7th R&D Conclave from 6th-8th January, 2013 in Kochi, Kerala on “Challenges for inculcating culture of innovation in hydrocarbon sector”. More than hundred senior executives from Oil & Gas Industry participated in the Conclave. CEOs session was introduced for the first time in order to have CEOs perspective and their expectation from R&D. Dr. J. P. Gupta, Director, RGIPT, Rae Bareilly also attended the conclave. He was the only academican amongst the large number of attendees from PSU R&D, MNCs and CSIR labs. The participants presented the current research being undertaken and recent results obtained some of which have been commercialized.

Director, RGIPT participated in International Conference for Academic Institutions

International Conference for Academic Institutions (ICAI), an event preceding Vibrant Gujarat Summit 2013, drew over 500 delegates from 250 Universities, over half of which being foreign ones from scores of countries. It was held on 9th-10th January, 2013 in Gandhinagar, Gujarat. RGIPT was also invited to it and Dr. J. P. Gupta, Director, RGIPT participated in the 2-day event as a special invitee. Experts spoke on achieving excellence, forging international linkages, attracting and retaining good faculty, etc. Several MoUs were also signed between Indian and foreign universities.

RGIPT participates in “Vibrant Gujarat Summit”

RGIPT also participated in an education exhibition, organized as part of “Vibrant Gujarat Summit 2013” in Gandhinagar by Government of Gujarat from 8th-13th January, 2013 and put up a stall with the objective to bring awareness among students and professionals of Western India and attract them to join RGIPT. Numerous state and national level institutions and companies had participated in this week long exhibition and several thousands of people including college and school students came to see the display.



Visitor interacting with RGIPT representative.

Student Development Programmes

Best Paper Award at SPE Fest

RGIPT SPE Student Chapter participated in the UPES SPE Fest 2013 in Dehradun from 10th-12th February, 2013. In this fest, there were case studies, paper and poster presentations, quiz competition, mud challenge, debate, source code and many more events over three days. Students from RGIPT and four other reputed institutions participated in the event. Distinguished people from the industry were invited as guests and judges.

Ms. Vasundhara (B. Tech. 3rd year Petroleum Engineering) from RGIPT won the First Prize in her category of paper presentations. Several other RGIPTians received the certificates of appreciation in Debate competition, Quiz Competition and Mud Challenge.

Best Chapter Award to RG IPT Student Chapter of Petrotech



RG IPT students receiving award from Shri Anand Kumar, Director Petrotech.

RG IPT Student Chapter of Petrotech won accolades in the Petrotech Annual Convention held on 22nd March, 2013 at PDP U, Gandhinagar. The chapter was awarded the Best Student Chapter of the year along with a cash prize of Rs. 20,000.

The theme of the annual convention was “Vision 2030 : Emerging Energy Basket-Challenges and Opportunities”. All the student chapters (RG IPT, ISM, PDP U, UPES, MIT Pune, DU) presented their view points. Mr. Nirjhor Chakraborty (B. Tech., Pet. Engg.) put up the view on behalf of RG IPT Student Chapter and won the best presentation award along with a cash prize of Rs. 15,000.

Shri Anand Kumar, Director - PETROTECH Society also visited RG IPT, Rae Bareilly on April 11-12, 2013. He interacted with the students of RG IPT Student Chapter of Petrotech and congratulated the students for their outstanding performance winning them the Best Student Chapter of the Year Award as well as the Best Presentation award on “Vision 2030 : Emerging Energy Basket - Challenges and Opportunities”.

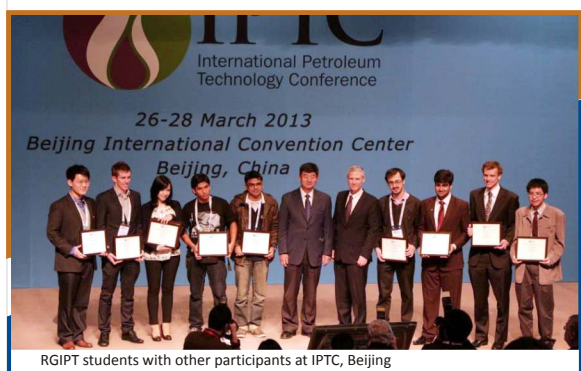
Best Poster Award at WPCC-2013

Mr. Kshitiz Saini (B. Tech. 4th year student) participated in “World Petro Coal Congress (WPCC)-2013” held in New Delhi from 15th-17th February, 2013 and presented a poster on “A comparison of various Ionic Liquids for CO₂ capture from Natural gas: A simulation approach”. It was adjudged as “Best Poster” among 40 other posters from various institutions. Mr. Saini also won a Samsung Galaxy Mobile through lucky draw. The WPCC-2013 was jointly organized by Energy & Environment Foundation, Ministry of Petroleum & Natural Gas, Ministry of Coal, Ministry of Power and Ministry of Earth Sciences. Mr. Ritu Raj Jha, Project Associate, RG IPT also participated in the event and presented a poster on “Potential of biomass derived Pyrolysis Oil”.



Mr. Kshitiz Saini receiving Best Poster Award at WPCC.

RG IPT students participate in IPTC in Beijing



RG IPT students with other participants at IPTC, Beijing

Four students from RG IPT attended International Petroleum Technology Conference (IPTC, A collaborative effort of AAPG, SEG, EAGE and SPE) Education Week held in Beijing, China from 24th-28th March, 2013. In this IPTC Education Week, 105 students from 76 institutions in 36 countries were selected to participate. Ten groups were formed for group project competition. Mr. Gulshan Kumar (B. Tech., Pet. Engg. Final year) and his team received the second prize for their project work on “High Efficient Viscosity Reduction and Development of Extra Heavy Oil / Bitumen”.

In this five-day international conference, students also got an opportunity to interact with number of young professionals, and

industry executives. Apart from visiting exhibition and attending technical sessions, there was a half-day field trip to the Research Institute of Petroleum Exploration and Development (RIPED).

Sports Trophy for Excellent Performance

RG IPT students replicated their outstanding performance and won 6 sports titles at Culfest-2013, organized by NIFT, Rae Bareilly. Also, they won the 'Sports Trophy' for their excellent performance on the field. They won titles in events like- Carom, Table Tennis (Boys), Table Tennis (Mix double), Street Play, Origami and Face Painting.

Alumni Corner



A case study competition "Socratix" was organized in January 2013 by Bharat Petroleum Corporation Limited (BPCL) for their own working professionals with the collaboration of KPMG to assess the analytical and problem solving skills in the organization. In this competition, 400 professionals participated in the first round. Final round was held on 17th January, 2013 and ten contestants were invited for presentations.

RGIPT's alumnus Mr. Mihir Jyoti Dutta (MBA in Petroleum & Energy Management, Batch: 2009-11), Assistant Manager- Lubricants, BPCL, Mangalore excelled in the final round with team and was adjudged as 4th Runner Up for Ideas'2012.

Programmes Organized at RGIPT

Business Schools Meet "OILSPRING-2013"

Department of Management Studies (DoMs) organized a one day Business Meet "OILSPRING-2013" on 16th March, 2013 for B-schools and corporate at Noida. The meet was inaugurated by Shri Hiralak Dutta, Executive Director, Oil Industry Safety Directorate (OISD) with lighting the lamp. Prof. J. P. Gupta, Director-RGIPT, Shri M.C. Singh, Financial Advisor OISD, Shri S. Majumdar, Director (Marketing), OISD and Shri Deepak Mahurkar, Director & Leader Oil & Gas, PwC graced the occasion. Addressing the participating team, Shri Dutta encouraged the participants to come up with exciting, innovative and creative new management ideas to improve social and economic status of the society. The meet had teams from IIMs, IITs and top B-schools of India.



Participants during Oilympics-2013

Intramural Basketball and Volleyball Tournament

Intramural Basketball and Volleyball tournament was organized on 12th-13th January, 2013 to provide opportunity to students to show their sporting talent. In this 2-day event, 5 teams played for the Volleyball trophy, whereas there were 4 teams in fray for Basketball cup.

Basketball final match was a full entertainer as it was played with lot of enthusiasm between 3rd and 4th year students. Both teams were last year's finalists as well but this time 3rd year won the match by a score 44-27. Volleyball final was played between 2nd and 3rd year on 13th January, 2013 and 3rd year team won the match with 25-15 points in straight sets.

RGIPT celebrates 64th Republic Day



Prof. J. P. Gupta addressing gathering on the occasion of Republic Day.

RGIPT celebrated 64th "Republic Day" with full fervor and patriotism. Republic Day celebration started with national flag hoisting by Prof. J. P. Gupta, Director, RGIPT followed by national anthem, cultural programme by students and tree plantation. Addressing the gathering on the occasion, Prof. Gupta said, "Our institute has registered commendable growth in all fields and our students too are making name of the institute at national and international fora. RGIPT is planning to organize conferences this year with the collaboration of national and international institutes". Further, he said "Participation in international programmes like- Petrotech 2012 and Vibrant Gujarat Summit 2013 have given tremendous exposure to our institute. Six

ongoing research projects in collaboration with national and international institutes show the commitment of our faculty towards research activities".

Annual sports fest “OILYMPICS-2013”



Shri R. P. Sharma & Dr. J. P. Gupta inaugurating the programme with lighting a lamp.

An annual sports fest “OILYMPICS 2013” was organized on 23rd Feb., 2013. Shri R. P. Sharma, Director, FGIET, Rae Bareilly inaugurated the event with lighting the lamp as chief guest. Sportsmen from Feroze Gandhi Institute of Engineering & Technology, Feroze Gandhi Polytechnic, Motilal Nehru Stadium, Feroze Gandhi Degree College, National Institute of Pharmaceutical Education & Research, Footwear Design & Development Institute, Indira Gandhi Rajkiya Mahila Mahavidyalaya and RGIPT Rae Bareilly had participated in the event. Dr. J. P. Gupta, Director - RGIPT welcomed the participants and said the event has been organized to provide platform to sportsmen to excel in sports like they do in the academic activities and also develop healthy

competition among them. Addressing the participating team, Shri R. P. Sharma said one can enjoy the game only when they play and compete fairly. Practice of fair habit by sportsmen will give them opportunity to win the matches and improve their performance gradually.

Fire Fighting Training

One-day Fire Fighting Training was organized on 9th February, 2013 at RGIPT, Rae Bareilly. Shri P. P. Awasthi, Chief Fire Officer, Fire Station, Rae Bareilly briefed the basics of fire safety and suggested precautionary measures to all participants to fight against all type of fires i.e. solid, liquid and gaseous. Students of B.Tech. 3rd & 4th year, faculty and staff members participated in the training and cleared their doubts during the session. After the session, fire team demonstrated ways to control all kinds of fire i.e. solid, liquid, gas. All the participants appreciated the effort of Shri P. P. Awasthi and his team members.

Basic Life Support (BLS) Training

Basic Life Support (BLS) training was organized on 14th February, 2013 with the support of Department of Anesthesiology & Critical Care, King George Medical University (KGMU), Lucknow. Dr. Jaishri Bogra (HoD) and team members- Dr. Monica Kohli (MBBS), Dr. Rajni Gupta (MBBS), Dr. Imran (Junior Resident) and Dr. Amit Srivastava (Junior Resident) provided training to B. Tech. 1st, 2nd and 3rd year students, Ph.D. scholars, faculty and staff members. Interacting with participants, Dr. Bogra said, all should acquaint themselves with the basics of 'First Aid' to help family members and neighbours at the time of medical emergency. She also briefed the effects of chemical burning and suggested precautionary measures that have to be taken to save the injured person.



Dr. Jaishri Bogra addressing participants during BLS Training.

Blood Donation Camp



RGIPT Students donating blood at Camp.

RGIPT Student Chapter of SPE (Society of Petroleum Engineers) and institute's social wing “Arpan” jointly organized a blood donation camp “Ardaan” on 16th March, 2013 with the support of King George's Medical University (KGMU), Lucknow.

This noble initiation received an overwhelming response with more than 50 enthusiastic donors, including students and faculty members. The donors went through a series of medical check-ups before donating blood and were given a badge and certificate of appreciation for this service to humanity. The event was held under the professional supervision of Dr. Akash and Dr. Pragya from KGMU, Lucknow, who guided volunteers and the donors.

Academic Luminaries on Campus

- ❑ Dr. P. K. Saraswati, Professor- IIT Bombay and BoG member-RGIPT visited the institute on 12th April, 2013 and talked about the scope and opportunities in Petroleum Industry. Interacting with students, Dr. Saraswati said that this institute has been set up by an Act of Parliament with the objective to fulfill the trained human resources need of oil and gas industry and there is a huge opportunity in this sector. Those students interested to make their career in this area should develop an integrated approach to understand the basics of Petroleum Engineering. He further said that the students are not here to get the job but they are here to become a knowledge creator and good researcher. So, students should try to develop a culture of creativity and innovation that will guide this new institute in years to come.



Left to Right : Dr. P. K. Saraswati addressing students. Dr. J.P.Gupta (Director-RGIPT) and Shri Anand Kumar (Director-Petrotech) are sitting on the dias.

- ❑ A lecture on “Overview of Enhanced Oil Recovery” was delivered by world renowned Petroleum Engineer Prof. Brij B. Maini, Professor, University of Calgary, Canada on 27th February, 2013. Interacting with the students and faculty of the institute, Prof. Maini said there is a huge research scope in the area of oil recovery around the world and it needs greater attention of academicians and research scholars to develop tools for cost effective oil recovery. He further said, nano materials have emerged as a catalyst for enhance recovery of heavy crude oil and there is a need to ensure best use of nano science in this area.
- ❑ A talk on “Importance of teaching & research in academic institutions” was delivered by Prof. Y. R. Waghmare, former Professor of Physics, IIT Kanpur on 5th March, 2013. Interacting with the faculty of institute, Prof. Waghmare traced the history of development of IITs, CSIR labs and other national labs. He further said that separation of research at CSIR while teaching at universities has adversely affected the development of research at universities. Researchers at CSIR labs generally do not have teaching duties and this affects their research as well. He also said that interaction with students, the young blood, is vital to get new ideas. The coexistence of strong research and teaching facilities are vital to develop new ideas. Freedom of thought and expression should be encouraged amongst students & faculty for an institution to progress.
- ❑ Mr. Joy Varghese, Managing Director, Rig Tech Oil Field Training Center Pvt. Ltd., Kochi delivered lecture to 3rd and 4th year students of B. Tech. Petroleum Engineering on 31st Jan.-1st Feb., 2013. Mr. Varghese discussed topics like- measurement while drilling, logging while drilling, bottom hole tools, well heads, BOPs Well control Perforation tools, etc.
- ❑ A lecture on Social Psychology was delivered by Dr. Lilavati Krishnan, Professor (Psychology), Department of Humanities and Social Sciences, IIT Kanpur on 2nd February, 2013. B. Tech. 3rd and 4th year students were present during the lecture.
- ❑ Mr. Sushil Handa, an aerospace expert and Amnesty International activist in Canada, visited RGIPT, Rae Bareilly on 9th March, 2013. During his visit, he also interacted with students and talked about the mission of Amnesty International and the way the interested ones can get involved in peaceful human rights movement.

Lectures at RGIPT, Noida

- ❑ A lecture on “Health, Safety and Environment” was delivered by Shri N. V. Subba Rao, Chief Executive, Cholamandalam M.S. Risk Services on 22nd February, 2013 to MBA in Petroleum & Energy Management students.
- ❑ A lecture on “Gas marketing: Future of gas business in India” was organized on 28th February, 2013 and it was delivered by Shri Rajeev Mathur, ED-Marketing, GAIL (India) Ltd.
- ❑ A lecture on “Managing power plant projects” was delivered on 30th March, 2013 by Shri Dilip Kumar Chaudhuri, Vice President, L&T MHI Boilers to MBA students.
- ❑ A lecture on “Total Quality Management in Financial Services Sector” was delivered by Ms. Shweta Pandey, Former Vice President, GE Capital to MBA students on 25th March, 2013.
- ❑ A lecture on “Health, Safety and Environment in E&P Business” was organized on 14th March, 2013 for MBA students. It was delivered by Shri P. S. Sehmi Director (E&P), Oil Industry Safety Directorate, Govt. of India.
- ❑ A lecture on “Health, Safety and Environment Issues and Challenges in Downstream (Oil & Gas) Business” was delivered by Shri S. Majumdar, Director (Marketing), Oil Industry Safety Directorate, Govt. of India, on 7th March, 2013 to MBA students.

- ❑ A lecture on “Compensation Management” was delivered by Shri Nishant Prasad, Sr. Manager- HR, IOCL on 22nd January, 2013 to MBA students.
- ❑ Shri Manoj Nariyal, Bazaar Channel Manager (Lubes), BPCL delivered a lecture on “Lube Marketing” to MBA students on 19th January, 2013.

Faculty Development Programmes

Lectures by RGIPT Faculty

- ❑ Dr. U. D. Dwivedi (Assistant Professor, Electrical Engineering) participated in a workshop on “Programming with MATLAB” held at Kamla Nehru Institute of Technology (KNIT), Sultanpur, U.P. on 2nd February, 2013 and delivered a lecture on “Utility of MATLAB programming in advanced electrical/electronic systems simulation”.
Dr. Dwivedi also chaired a session during two days National Conference on “Recent trends in Energy Systems (NCRTE-2013)” on 5th-6th April, 2013 held at KNIT, Sultanpur, U. P. and delivered the key note address on energy systems.
- ❑ Dr. S. K. Sinha (Asstt. Prof., Geo-Science) visited Board of Studies of Rajasthan Technical University (RTU), Kota as a special invitee and delivered expert lecture to the students of Petroleum Engineering. RTU is offering B. Tech. programme in Petroleum Engineering.

Participation in Workshop/Conferences

- ❑ Dr. S. K. Sinha (Assistant Professor, Geo-Science) and Dr. J. P. Chakraborty (Assistant Professor, Chemical Engineering) attended Industry-Academia Interface Workshop on 'A-Z of Natural Gas and LNG' at Petronet's Dahej Terminal. The workshop was organized from 31st January- 2nd February, 2013 jointly by Petrofed, Lovraj Kumar Memorial Trust & Petronet LNG Ltd. Oil and Gas industry professionals shared their experiences on various aspects of formation, production and handling of Natural Gas/LNG with the teaching faculty of academic institutions. A tour to LNG terminal was also organized where the faculty members saw LNG being unloaded from a ship.
- ❑ Prof. S. K. Mishra (Petroleum Engineering) and Dr. U. D. Dwivedi (Assistant Professor, Electrical Engineering) along with Mr. Amit Singh and Mr. Ajendra Singh (Both M. Tech. Petroleum Engineering students) participated in the conference on “Reservoir Simulation - Chasing the reality” organized from 22nd -23rd February, 2013. It was organized by Institute of Reservoir Studies (IRS), ONGC Ltd. in Ahmedabad, Gujarat. In this 2-day conference, representatives of different oil companies of India have also participated and shared their experiences with participants.
- ❑ Dr. S. K. Sinha and Dr. S. Biswas attended an Industry-Academia Workshop on "Upstream Geology & Geophysics" organized jointly by Oil India Ltd. (OIL), Petroleum Federation of India and Lovraj Kumar Memorial Trust. The workshop was held at OIL, Duliajan, Assam from 7th-9th March, 2013. In this workshop, oil and gas industry experts talked about the modern geophysical techniques being implemented in the field. Participants were given a tour of the oil field as well.
- ❑ Mr. Awanish Kumar Bajpeyi (Research Scholar in Department of Physics) attended the 5th DAE- BRNS Theme Meeting on EXFOR Compilation of Nuclear Data”, held during 18th-22nd February, 2013, at the Department of Physics, Banaras Hindu University, Varanasi.

Visits for Research Collaboration

- ❑ Dr. A. K. Choubey (Assistant Professor- Chemistry), Dr. J. P. Chakraborty (Assistant Professor- Chemical Engineering) and Dr. Rakesh Kumar (Assistant Professor- Chemical Engineering) visited IIT BHU Varanasi on 8th March, 2013 for research collaboration with IIT BHU and had discussion with the faculty of Dept. of Chemical Engineering and Dept. of Botany. They also visited the experimental facilities of both departments and interacted with faculty members, working there in the area of hydrogen production from renewable materials. They also had discussion with Prof. S. P. Singh, an Emeritus Professor in Botany for his help in setting up a laboratory and experimental facilities at RGIPT.
- ❑ Prof. C. K. Jain (Professor, Petroleum Engineering) and M. Tech. student Mr. Manish Singh visited Institute of Drilling Technology (IDT), ONGC Ltd. to explore the opportunity to conduct drilling fluid lab work for RGIPT M. Tech. students at IDT, Dehradun. During the visit, Prof. Jain also met with Dr. A. K. Pandey (GM & Head- Chemistry) and Shri V. N. Rai (Senior Scientist, Drilling Fluid) and discussed topics like- HPHT wells, types of drilling fluids used for HPHT wells, test procedures, etc. They also visited drilling mud test lab where the equipment and test procedures were demonstrated. After that they visited ONGC's cement laboratory and saw tests being done on cement slurry for HPHT wells.



Nomination for ISCA Young Scientist Award

Dr. C. Kundu (Assistant Professor, Mathematics) has been nominated for "ISCA Young Scientist Award 2012-13" in Mathematical Sciences (including Statistics) and presented a paper in 100th Indian Science Congress, Kolkata during 3rd-7th January, 2013.

Research Project

- Department of Science & Technology (DST), Government of India has approved a project "Design and Development of heating/ cooling pads, foot warmer and thermal jackets based on Phase Change Materials (PCMs) for old aged persons". Dr. Atul Sharma (Assistant Professor, Alternative Energy) is Principal Investigator and Dr. A. Shukla is Co-Investigator of the project. The project is for three years duration with a budget estimate of Rs. 21 Lakh.

Research Papers Publication

- Kulkarni, P.; **Ojha, U.**; Wei, X.; Gurung, N.; Seethamraju K. and Faust, R., "Thermal and mechanical properties of Poly isobutylene based Polyurethanes", Journal of Applied Polymer Science (2013). (Early view), DOI:10.1002/app.39236.
- Biswas, Susham** and Lohani, B., "Extraction of spatial parameters from classified LiDAR data and Aerial Photograph for sound modeling", XXII ISPRS Congress, Melbourne, Australia. The paper has also been archived as ISPRS Annals of the Photo-grammetry, Remote Sensing and Spatial Information Sciences, Volume I-4, pg. 59-64, 2012.
- Joshi, C. P.; **Panda, D.**; Martell, D. J.; Andoy, N. M.; Chen, T.-Y; Gaballa, A.; Helmann, J. D.; and Chen, P. "Direct substitution and assisted dissociation pathways for turning of transcription by a MerR-family metalloregulator", Proceedings of the National Academy of Sciences, USA 2012, 109, 15121-15126.



Book Published

Title : "Synthesis of Thiadiazole and Dithiazole Derivatives: A Review"

Authors : Dr. A. K. Choubey, Asstt. Professor-Chemistry (Main Author) & Prof. D. N. Dhar (Retd. Prof., IIT Kanpur)

Publisher : LAP-LAMBERT Academic Publishing, Germany

New Members at RGIPT

Prof. P. D. Arora



Prof. P.D. Arora joined RGIPT as a Visiting Professor in the Department of Petroleum Engineering. Prof. Arora has vast industry experience with ONGC, Kuwait Oil Company and teaching experience with renowned institutes. Prof. Arora did his Integrated B.S. & M.S. (Hons.) from The Peoples' Friendship University of Russia, Moscow.

Dr. Manoj K. Rajpoot



Dr. Manoj K. Rajpoot joined RGIPT as an Assistant Professor on 1st April, 2013 in the Department of Mathematics. He has done his Ph. D. from IIT Kanpur and M. Sc. from IIT Roorkee. His areas of specialization are Computational Fluid Dynamics and Numerical Analysis.

Dr. V. S. Sistla



Dr. V. S. Sistla joined RGIPT as an Assistant Professor on 25th April, 2013 in the Department of Chemical Engineering. He has done his Ph. D. and M.S. from Otto Von Guericke University, Magdeburg, Germany. His areas of specializations are Reactive Separation Technology and Process Control.

Mr. R. P. Singh



Mr. R. P. Singh joined RGIPT as an Assistant Placement Officer on 6th March, 2013. He has over 10 years' experience with various institutions. Mr. Singh did his B. Sc. (Maths) from University of Allahabad and M. Sc. (IT) and MBA from Allahabad Agricultural Institute- Deemed University, Allahabad.

Editorial Board : Dr. Atul Sharma, Dr. Debashis Panda, Dr. Susham Biswas & Jitendra Prasad.



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