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Director's Message

I feel proud to get back once again on this portal. The new session is in full swing and we are heading a welcome festive times. This session has seen the expansion of the Institute on several fronts ranging from academics to infrastructure and to intake.

The Institute has headed on with TEQIP Phase-II program which will serve to strengthen the academic front both on part of students and the faculty. The plan also aims at uplifting the research activities already underway in the Institute as well to come up with new ones.

Second, this session we have increased the intake in three disciplines namely Chemical Engg., Electronics and Mechanical Engg. at the Under Graduate level.

Two new Post Graduate programmes have also been started, one in Chemical Engineering and the other in Information Technology. These are in accordance with the present day need and demands of the industry.

Third, building of a new Girl's hostel has been undertaken within the campus premises to meet the increasing demand.

As a continuous part of faculty strengthening we have recruited new faculty in CS &IT, Mechanical Engg. and MCA Deptt.

The new session with enhanced strength will add feathers to our cap and will consolidate our place among the best Engineering Institutes in the nation. The administration, faculty and the students are resolute to work in this direction.

Wish you all a very happy festive season.



VISION

To create a centre of excellence for imparting technical education enveloping latest technologies in its curriculum and conducting research to keep pace with the challenges of technological development.

Dr. Sanjeev Jain

ACHIEVEMENTS

By Students

❖ A large number of students from various departments qualified GATE 2013 exam. Details are as follows:

Twenty one students from Civil Engg. Deptt. (Priyanka Jain obtained the highest rank 477). Twenty students from Electrical Engg. Deptt. (Highest score was obtained by Daulat Singh Lodhi. He secured 69 marks). Thirty students from CSE & IT Deptt. and three students from Chemical Engg. qualified the exam. **Congratulations to All.**

❖ B.Arch. III Year students Shailesh Gupta, Jitendra Poon, Neelam Kirar and Abhishek Jain won **Best Sustainable Award** - A3 Foundation 2013 in March, 2013 at Chandigarh. They also received cash prize for winning the award.

❖ Madhur Goyal, B.Arch. Final year student won for prize for the Eco Friendly Primary School Design Competition held at Chandigarh College of Architecture and a cash prize of Rs. 70,000/-.

❖ Nupur Shah & group, and Samjana Pradhan & group from Architecture Deptt. won Design competitions held at SPA, Bhopal.

❖ Bhanu Jaseja and Priyanka Karoriya, both students of B.E. Biotechnology won 2nd prize in Poster Presentation event organized by Architecture Deptt. of the Institute on March 24, 2013.

❖ B.E. Biotechnology 7th semester students - Abhishek Shrivastava, Ashish Tilanthe and Mohit Sharma participated in 'Sixth Summer Biotech Training Camp 2013' on 'Advanced Tissue Culture and Molecular Biology Techniques' at HariHar Biotech, Agra from 3rd June to 3rd July, 2013. They learnt basic techniques of Plant Tissue Culture, Media preparation & Inoculation, Callus Culturing Micro propagation using Banana Plant as model. They also learnt Plant DNA isolation and DNA quantification and amplification of specific part of DNA using Polymerase Chain Reaction.

Four students from Electrical Engg. Deptt., were awarded Ph.D.

- Kiti Pal under the guidance of Dr. Manjaree Pandit and Dr. Laxmi Srivastava. Topic - "Operation and Management of Power System under Restructured Environment", February 2013.

- Jyoti Rothe under the guidance of Dr.A.K. Wadhvani and Dr.Sulochana Wadhvani. Topic - "A Study and Implementation of an Intelligent Short Term Load Forecasting", June 2013.
- Jaideep Gupta under the guidance of Dr. A. K. Wadhvani and Dr. Sulochana Wadhvani. Topic "Intelligent Diagnosis and Monitoring of Electrical drives-A Predictive Maintenance Strategy for Locomotive Auxiliary Machines", June 2013.
- Manisha Sharma under the guidance of Dr. Manjaree Pandit and Dr. Laxmi Srivastava. Topic - "Soft Computing Techniques for Operation and Control of Modern Power System", August 2013.

Two students, Vishnu Sharma (Dept. of Computer Science, JPIT, Guna) and Piyush Shukla (Dept. of Computer Science, UIT, RGPV, Bhopal) were awarded Ph.D. under the guidance of Dr. Sarita Singh Bhadauria, HOD Electronics.

Heartily Congratulations to All.

By Faculty

❖ **Prof. Poonam Sharma**, Assistant Professor, CSE & IT Deptt. was awarded fellowship for Training Young Scientist (2013-14) of M.P. Council of Science and Technology based on her research paper presented at the 28th M.P. Young Scientist Congress held at Vigyan Bhawan, Bhopal. **Congrats.**

❖ **Dr. Akhilesh Tiwari**, Associate Professor, CSE & IT Deptt. has received PhD Degree in Information Technology from **Shri Pranab Mukherjee, President of India** during 8th Convocation of Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal held on 6th June 2013. He has completed Ph.D. under the supervision of Dr. R. K. Gupta, Prof. & Head, CSE & IT Deptt., MITS Gwalior and Prof. D.P. Agrawal, Chairman, UPSC, New Delhi. **Congratulations.**



CONFERENCE / TRAINING PROGRAM / WORKSHOP ORGANISED

❖ A two days Workshop was conducted by **Department of Biotechnology** on “Computer Aided Drug Design” during 15th-16th April 2013. Dr. Kal Ramnarayan, President and Chief Scientific Officer, Sapient Discovery, LLC, San Diego, California was the Keynote Speaker. Dr. N. Subbarao, Professor, School of Computational and Integrative Sciences, JNU, New Delhi, Dr. M. Elisabeth Sobhia, Assistant Prof. Deptt. of Pharmacoinformatics NIPER Mohali, Dr.S.Paliwal Head, Deptt. of Pharmacy, Banasthali University, Rajasthan were other eminent speakers. The experts from VLife Sciences Technologies Pvt. Ltd. Pune, provided hands on training related to Computer Aided Drug Design. Fifty participants from all over the country attended the workshop. They learnt Molecular modelling and simulation, Molecular docking, Fragment based methods, Pharmacophore modelling, QSAR, ADMET prediction through software.



❖ **Dr R K Pandit**, Professor Arch. Deptt. coordinated & conducted Teachers Training Programme on behalf of Council of Architecture on “Journalism in Architecture” from 13th to 17th May, 2013 and on “Research Method & Techniques” from 10th to 14th June, 2013 at NIASA , Pune.

❖ **CSE & IT Department** has organized workshop on “Software Foundation Level (Basic)” from 2nd to 4th August 2013. One hundred one students attended the workshop which was conducted by IBM.

❖ One day National Workshop on “Renewable Energy Based Power Generation: Options & Challenges” under TEQIP Phase -II was organized by **Electrical Engg. Deptt.** on 14th September, 2013. The objective of the workshop is to generate awareness about the revolutionary changes taking place in the area of power generation using non-exhaustible energy sources such as wind energy, solar energy etc. Dr. K.N. Srivastava, R&D Engineer, ABB Corporate Research, Vasteras, Sweden and Dr. S.N. Singh, Chair Professor, Department of Electrical Engineering, IIT Kanpur were the resource persons of the workshop. Eighty two students attended the workshop.



CENARIUS - 2013

❖ The Cultural Festival **CENARIUS -13** was held in the Institute during 15-16 April 2013. A large number of activities and competitions like - Rangoli, Treasure Hunt, Nukkad, What-If, Ad-Mad Show, T-Shirt Painting, Raaga, Gaming Fiesta, Mobile Shoot, Katharose, Twist of Taste, Mask Painting, etc. were organized by the students. The students participated with lot of enthusiasm. The ROCK Band competition was also organized in the evening which was filled with some electrifying performances.



EXPERT LECTURES DELIVERED

❖ **Dr. Akhilesh Tiwari**, Associate Professor, CSE & IT Deptt. has delivered an expert talk on the topic “Data Mining & Its Application in Marketing” during the workshop held on “E-Marketing” at ABV-Indian Institute of Information Technology & Management (ABV-IIITM), Gwalior in March 2013.

❖ **Dr. R.K. Pandit** delivered Expert Lecture on “Teaching and Research” on 19th April 2013 at School of Environmental Studies (AoA), Rachna Sansad, Mumbai. He has also delivered Expert Note during the Workshop on “Restructuring of

Architecture Curriculum” at IIT, Roorkee on 1st May 2013 and a Lecture on “Research Design” during the AICTE Sponsored FDP at OITM, Hisar on 13th July 2013.

❖ **Dr. Manjaree Pandit**, Professor & Head Electrical Engg. Deptt. delivered expert lecture in DST sponsored National Programme for Training of Scientists & Technologists Working in Government on “Soft Computing Techniques for Optimization” conducted by ABV-IIITM Gwalior on March 5th 2013. She has also delivered expert lecture on “Bio Inspired Computation” in TEQIP Sponsored STTP conducted by MANIT Bhopal on “Evolutionary Computing and Simulation Techniques in Engineering Applications”, during 1-5 July 2013.

EXPERT LECTURES ORGANIZED

Civil Engg. Department has organized number of Expert lectures for the benefit of Under Graduate & Post Graduate students. Details are as follows:

- (i) Title : Financial Management
Speaker: Dr. Prasanna Chandra,
Director, Centre of Financial
Management, Bangalore
(8th March, 2013)
- (ii) Title : Earthquake Resistant Design of
Structures as per IS:1893 (Part1) 2002
Speaker : Prof. S.K. Thakkar, Former Professor
IIT Roorkee (15th March, 2013)
- (iii) Title : Advances in Concrete Technology
Speaker : Dr.A.K.Mullick, Consultant
Cement & Concrete Technology
(Former Director General, NCBM)
(13th April, 2013)

EDUCATIONAL TOURS ORGANIZED

❖ ME I Sem. Electrical Engineering (ISD/MAC) students visited various industries under Industry-Institute Interaction Program. They visited Mahelgaon Substation, Gwalior on 3rd August, 2013 to study the distribution of electricity among various consumers. The students also studied commissioning of various equipments e.g. CT, PT, different types of relays, SCADA (supervisory control and data acquisition system), PLC (power line communications), protective devices, different types of transformers, etc. On 17th August 2013,

these students visited PGCIL, Audupura, Gwalior 765 kV substation. They studied the grid connections for electricity distribution. SCADA systems for condition monitoring of the grid lines were explicitly shown to the students. They also learned how from Bhopal / Delhi control room, it would be possible to monitor/control the entire power flow of the western grid of India and hence fault detections are easy.

The two visits were conducted under the supervision of Prof. A. Patra and other staff members of the department.

❖ Students of B.E. Biotechnology (7th Semester) went through an industrial visit at J.B. Mangharam Foods Pvt. Ltd., Gwalior on August 24, 2013. It is subsidiary of Britannia Industries Ltd. and produces various brands like "50-50", "Treat: Jim-Jam", "Pure Magic" and "Bourbon". Students were exposed to various production procedures from raw material operations to final production. Production line is fully automatic including mixing, rolling, moulding, baking, oiling and packaging. 'Quality Control Unit' ensures the best quality in each Batch.

ISTE CHAPTER

The ISTE Chapter regularly conducts activities like technical quizzes, paper presentation etc. for overall development of the students.

❖ The Student Chapter of ISTE welcome 180 new students who have taken membership in this session.

❖ **ISTE Student's Chapter** organized "**Aarohan - Innovative Ideas Presentation Competition**" on March 16th 2013. In this competition papers were received from all over India. Parul Sengar and Prashant Jha, students of B.E. Biotechnology 7th semester won first prize for the idea titled- '*COLLARMING: sustainable and prolific methodology of Agriculture*' under 'Sustainable Rural Development' category.

A quiz competition '**GYANOTRI**' was organized on 3rd August 2013. The quiz was open for the students from all branches. A total of 105 teams participated. It was a two stage competition. First level was a written quiz among which top 5 teams were selected for second level oral quiz. First prize went to Ambikesh Pratap Singh and Siddharth Khandelwal from Final year Mechanical. The second prize was won by Aviral Tiwari (III Electronics) and

Utkarsh Yadav (III Electrical). There was a tie for Third prize. It was shared by two teams : Prabhanshu Mishra - Shubham Chaturvedi (both from I Mechanical) & Bhavna Dangi-Anjani Rajput (both from III Civil)



The prize distribution ceremony was organized on the auspicious day of **15th August 2013** along with the Independence Day celebrations. Prizes were given by Er. Ramesh Agrawal, Secretary, Scindia Engineering College Society, Gwalior and Dr. Sanjeev Jain, Director.



NSS WING

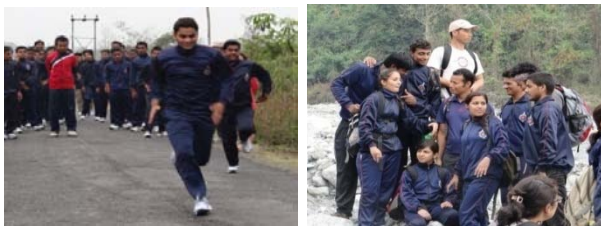
❖ The NSS unit of the Institute is continuously running "Literacy cum Awareness Programme" since 17/09/2011 for underprivileged children. At present the strength of children reached 250. Fifty eight volunteers taught them. The unit distributed bags, stationary and fruits to the children on 10th March 2013 at MITS Campus on the occasion of Birth day of late H. H. Shrimant Madhav Rao Scindia.



❖ Under the Youth Awareness programme, NSS unit performed a Street play (Nukkad Natak) at ABV-IIITM, Gwalior on 3rd March 2013. Through their act they made the youth aware about their National responsibilities. The theme of the play was suggested by Director Dr. Sanjeev Jain. Play was organized under the supervision of Dr. Alok Sharma, Prof. Arch. Deptt. and Prof. Manish Sagar. It was highly appreciated for the concept and performance. **Congratulations.**

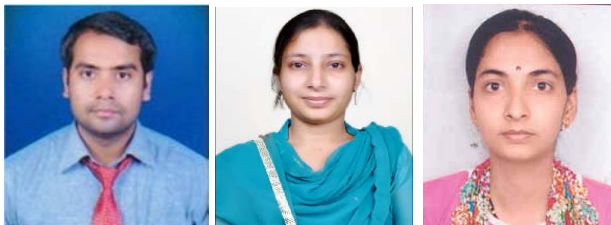


❖ Two volunteers, Lokesh Mudgal and Neha Patel participated in “Youth to The Edge Adventure Camp” in North East Region during 14-19 March 2013. They participated in various activities like cross country race, hurdle race, knot competition, etc. Lokesh Mudgal received second price in Hurdle race.



NEW FACULTY JOINED

- **CSE & IT Deptt.**
 - **Rajeev Kumar Singh**, Assistant Professor
 - **Neha Bhardwaj**, Assistant Professor
- **MCA Deptt.**
 - **Parul Saxena**, Assistant Professor



- **MECHANICAL ENGG. Deptt.**
 - **Vaibhav Shivhare**, Assistant Professor
 - **Sandhya Singh**, Assistant Professor

TEACHER'S DAY CELEBRATION

❖ It's that time of year again when the Institute encourages everyone to get together and honor the Teachers. Students of MCA Deptt. has organized the program on 5th September 2013. The colourful ceremony started at 01:00 PM in the Conference Hall. Teachers were received ceremoniously by the students. Dr. Abhay Mishra, Dean, Student Welfare, was Special Guest of the program. A motivational speech was delivered by Dr. R. S. Jadon, Head MCA Deptt. on this occasion. Students organized various games for the teachers. Tributes were paid to the former President of India Dr. S.R. Radhakrishnan.



TRAINING PROGRAM ATTENDED

- ❖ **Prof. Sanjiv Sharma**, Asstt. Prof., CSE & IT Deptt. attended “National Faculty Development Program”, course on “Foundation Skill in Information Technology” conducted by Madhya Pradesh Government, organized at Administrative Academy Bhopal (MP), Feb. 26 -March 2, 2013.
- ❖ **Prof. Vijay Bhuria**, Asstt. Prof., Electrical Engg. Deptt. attended two week FDP on “Core Teaching Skills” at NITTTR, Bhopal during 10 -21 June 2013.
- ❖ **Prof. Ashis Patra**, Associate Prof., Electrical Engg. Deptt. attended STTP on “Teaching with MATLAB” from 17 to 22 June 2013 at Guru Kashi University, Punjab.
- ❖ **Prof. H. M. Dubey**, Asstt. Prof., Electrical Engg. Deptt. participated in Summer Faculty Research Fellow Programme -2013 at IIT Delhi from 16th May to 26th June 2013. He also participated in IEEE workshop on “Computational Intelligence: Theories, Applications and Future Directions” during 13 and 14 July, 2013 at IIT Delhi.

❖ **Prof. Manish Dixit, Prof. Abhilash Sonker and Prof. Jamvant S. Kumare**, all faculty of CSE & IT Deptt. attended workshop on “Software Foundation Level (Basic)” from 2nd to 4th Aug. 2013 at MITS Gwalior. Workshop was conducted by IBM.

PLACEMENT

❖ Number of Electrical Engg. 2013 pass out batch students are placed in various reputed organizations. Details as follows:

Daulat Singh Lodha - National Thermal Power Corporation

Chetan Singh Jadon & Ambuj Yadav - Indian Army
Abhinav Dixit, Khushbu Joshi, Anjali Gupta, Divya Ojha, Akash Gupta, Lokesh Agrawal & Rohit Upadhyay - Tata Consultancy Services

Mohit Mewani - Nucleus Software Delhi

❖ Anushri Jain, student of CSE Final year, has been appointed as Scientist-C in BARC, Mumbai.

❖ Preeti Neekhara, student of M. Tech. (Biotech) First year has been placed in BIOCON Ltd, Bangalore which is one of the emerging global biopharmaceutical enterprises.

Heartily Congratulations to All.

PUBLICATIONS IN JOURNALS

Architecture Deptt.

❖ Soma A. Mishra & Pandit R.K., “Global Dynamism and Local Identities in Reference to Urban Design and Urban Planning”, Indian Journal of Scholarly Research (ISSN: 2278-8271) Vol.2, Issue 4, April 2013, pp.04-05.

❖ Vijay Kumar & Pandit R.K., “Problems of Solid Waste Management in Indian Cities”, International Journal of Scientific Research Publication (ISSN: 2250-3153), Vol.3, Issue 3, March 2013, pp.1-9.

❖ Vijay Kumar & Pandit R.K., “Traffic and Transportation Problems of Metro Cities: Case of Meerut, Uttar Pradesh”, American Journal of Engineering Research (AJER) (e-ISSN: 2320-0847, p-ISSN: 2320-0936), Vol.2, Issue 4, April 2013, pp.138-151.

❖ Vijay Kumar & Pandit R.K., “Reforms in Urban Planning and Development Process: Case of Uttar Pradesh, India”, International Journal of Engineering Inventions (e-ISSN: 2278-7461, p-ISSN: 2319-6491), Vol.2, Issue 6, April 2013.

Biotech Deptt.

❖ Abhinav Gupta, Hotam Singh Chaudhary, Anju Rawat Shrivastava, Smriti Singh, Anil Kumar Singh, N Gopalan, “Screening of Actinomycetes Isolates As A Source of Antibiotic From Sheopur, Central India”, Journal of Advanced Pharmaceutical Technology & Research, Vol.4, Issue 2, 2013, pp.118-23.

❖ Bhavna Soni, Richa Misra, Vaibhav Vyas, Chandrabhan Seniya, “Immuno-informatic approach of *in-silico* T-cell epitope prediction”, International Journal of Advance Technology & Engineering Research, Vol.3, Issue 4, 2013, pp.09-17.

❖ Chandrabhan Seniya, Vaibhav Vyas, “A molecular docking approach to study binding molecular interactions between herbal compound Balanitin-6 and *Plasmodium vivex* Dihydrofolate Reductase”, International Journal of Pharma and Biosciences, Vol.4, Issue 4, 2013, pp. 698-710.

❖ Chandrabhan Seniya, Harshal Mishra, Ajay Yadav, Nitin Sagar, Babita Chaturvedi, Kuldeep Uchadia, Gulshan Wadhwa, “Antiviral potential of 4-hydroxypanduratin A, secondary metabolite of Fingerroot, *Boesenbergia pandurata* (Schult.), towards Japanese Encephalitis virus NS2B/NS3 protease”, Bioinformation, Vol.9, Issue 1, 2013, pp. 54-60.

❖ Kumar Santosh, Parihar Singh Surendra, Seniya Chandrabhan, Verma O.P., “In silico homology modeling and structure prediction of capsid protein L1 of human papilloma virus Type 35. Human papilloma virus and Control of Cervical Cancer – Current Scenario”, IJPSR, 2013, pp. 37.

❖ Sachin Gupta, Santosh Kumar, Sarika Saxena, Rajkumar Yadav, Ankur Thakur, O.P. Verma, Chandrabhan Seniya, “In-silico analysis and 3d structure prediction of matrix protein of Nipah virus”, Journal of Advanced Bioinformatics Applications and Research, Vol.4, Issue 1, 2013, pp. 391-395.

❖ Sakshi Pathak, Hotam Singh Chaudhary, “Perspective of microbial species used in Lignocelluloses bioconversion”, International Journal of Pharma and Bio Sciences, Vol.4, Issue 2, April 2013, pp.1138 – 1153.

❖ Verma Smraiti, Balwant Singh Paliya, Shriram Prasad, Hotam Singh Chaudhary, “Antimicrobial activity of probiotic microorganisms from probiotic carrot juice against selective pathogenic strain”, International Journal of Scientific and Engineering Research, Vol.8, Issue 4, 2013, pp. 2130-34.

CSE & IT Deptt.

❖ Ankita Chaturvedi and Sanjiv Sharma, “Exploring Intrusion Detection Schemes and their Comparison in MANETs”, International Journal of Computer Application, Vol.71, No.10, June 2013, pp.55-59. Published by Foundation of Computer Science, New York, USA.

❖ Astha Chharia and R.K.Gupta, “Enhancing Naïve Bayes Performance with Modified Absolute Discount Smoothing Method in Spam Classification”, International Journal of Advanced Research in Computer Science and Software Engineering, March 2013, pp. 424-429.

❖ Astha Chharia and R.K. Gupta, “Email Classifier: an Ensemble using Probability and Rules”, in Proc. of IC3 2013, IEEE Explore.

❖ Devshri Satyarthi, R.K.Gupta and Poonam Sharma, “Comparative Study of Offline Signature Verification Techniques”, International Journal of Electrical, Electronics & Computing Technology, Vol. 8, Issue1, 2013.

❖ Mradul Dhakar, Akhilesh Tiwari, “Evaluating the Performance of TAN-based and REP-based Models for Intrusion Detection”, International Journal of Computing Science and Communication Technologies (IJCSCT) Technia, Vol 6., No. 1, 2013, pp. 909-915.

❖ Mradul Dhakar, Nisha Chaurasia and Akhilesh Tiwari, “Analysis of K2 based Intrusion Detection System”, Current Research in Engineering, Science and Technology (CREST) Journals, Vol. 1, No. 5, 2013.

❖ Nisha Chaurasia and Akhilesh Tiwari, “Novel Algorithm for Terrorist Network Mining”, International Journal of Computing Science and Communication Technologies (IJCSCT) Technia, Vol. 6, No. 1, 2013, pp. 898-903.

❖ Sanjiv Sharma and G.N. Purohit, “Estimation of new Similarity Measures for existing frameworks over Time for tracking Community structure in Online Social Network”, International Journal of Current Engineering and Technology (e-ISSN: 2277 – 4106), Vol.3, No.1, 2013, 430-352.

❖ Sanjiv Sharma and G.N. Purohit, “A Review of Existing Measures, Methods and Framework for Tracking Online Community in Social Network”, International Journal of Computer Applications (e-ISSN: 0975 – 8887), Vol.63, No.9, 2013, pp.45-50.

Electrical Engineering Department

❖ Aditya Parashar and Kuldeep Kumar Swarnkar, “Genetic algorithm using to the solution of unit commitment”, International Journal of Engineering Trends and Technology (IJETT), Vol.4, Issue7, July 2013.

❖ Anuradha Bhadauria and L. Srivastava, “Optimal Reactive Power Dispatch Using the Matlab Optimization Toolbox”, International Journal of Advanced and Innovative Research (ISSN: 2278-7844), Vol. 2, No. 7, July 2013, pp.161-166.

❖ Hari Mohan Dubey, Manjaree Pandit, B.K. Panigrahi and Mugdha Udgir, “Economic Load Dispatch by Hybrid Swarm Intelligence Based Gravitational Search Algorithm”, I.J. Intelligent Systems and Applications ([http:// www.mecspress.org/](http://www.mecspress.org/) Hong Kong), Vol.5, No.8, 2013, pp.21-32.

❖ Monika Saraswat, A.K. Wadhvani and Manish Dubey, “Compression of Breast cancer Image Processing Techniques”, International Journal of Advanced Biological and Biomedical Research, Vol. 1, No. 7, July 2013, pp. 767-776.

❖ Namrata Tiwari and Vijay Bhuria, “Study of Western Region Grid System”, International Journal of Applied Engineering Research, Vol.8, Issue 4, 2013, pp.1-4.

❖ Namrata Tiwari and Vijay Bhuria, “Demonstration of Frequency Regulation by Free Governor Mode of Operation in Western Region Grid System”, International Journal of Engineering Trends & Technology, Vol. 4, Issue 5, May 2013, pp. 468-480.

❖ Neha Mishra and Manjaree Pandit, “Environmental/Economic Power Dispatch Problem Using Time Varying Particle Swarm Optimization”, International Journal on Power System Optimization (IJPSO), Vol. 5, No. 2, June-Dec. 2013, pp. 1-5.

❖ Neha Mishra and Manjaree Pandit, “Environmental/Economic Dispatch Using Particle Swarm Optimization”, International Journal of Electronics & Computer Science Engineering (IJECSE), Vol. 2, No. 2 , March 2013, pp. 512-519.

❖ Poonam Yadav and A.K.Wadhvani, "Application of Bit-Plane Slicing Techniques on Medical Image", International Journal on Current Research in Engineering, Science and technology(CREST), Vol.1, No.4, June 2013, pp. 110-116.

❖ Pradeep Singh Rajpoot, Sulochana Wadhvani and A.K.Wadhvani, "ECG Data Compression Based on Principle Component Analysis", International Journal on Current Research in Engineering, Science and technology(CREST), Vol.1, No. 4, June 2013, pp. 98-104.

❖ Rekha Kushwaha and Sulochana Wadhvani, "Speed Control of Separately Excited DC Motor using Fuzzy Logic Controller", International Journal of Emerging trends and Technology (ISSN: 2231-5381), Vol. 4, No. 6, June 2013, pp. 2518-2528.

❖ S.Wadhvani, A.K. Wadhvani and Megha Singh, "Detection of Faults in induction motors Using Embedded Zero-Tree Wavelet Algorithm", International Journal of Applied Engineering Research (ISSN 0973-4562), Vol.8, No. 6, 2013.

❖ Sachin Garg and Rakesh Narvey, "De-noising and Feature Extraction of EEG Signal using Wavelet Transform" International Journal of Engineering Science and Technology (IJEST),Vol.5 No.06, June 2013, pp.1249-1253.

❖ Shilpy Agrawal and Vijay Bhuria "Critical Study of Active Power Filter-A Power Quality Improvement Technique", International Journal of Applied Engineering Research, Vol.8, Issue 4, 2013, pp. 43-46.

❖ Shilpy Agrawal and Vijay Bhuria, "Shunt Active Power Filter for Harmonic Mitigation by Using Fuzzy Logic Controller", International Journal of Advanced Research in Computer Engineering & Technology, Vol.2, Issue 6, 2013, pp.1950-1954.

❖ Shweta Agrawal and A.K. Wadhvani," Analysis of Heat Rate Variability During Meditative and Non-meditative State using Analysis of Variance", International Journal on Advanced Biological and Biomedical Research, Vol.1,No.7,2013,pp. 728-736.

❖ Shweta Goklani and Manjaree Pandit, "Environmental Power Dispatch using Artificial Bee Colony Algorithm", International Journal of Applied Engg. Research, Vol.8, Issue 8, 2013, pp.13-17.

❖ Sonika Agrawal and Vijay Bhuria, "Comparative Study of Smart Prepaid Energy Meters", International Journal of Applied Engineering Research, Vol.8, Issue 5, 2013, pp. 73-77.

❖ Sonika Agrawal and Vijay Bhuria,

"Determination of NTL via Matlab Environment", International Journal of Advanced Research in Computer Engineering & Technology, Vol.2, Issue 6, 2013, pp. 2085-2090.

❖ Sulochana Wadhvani, A.K. Wadhvani and Monika Saraswat," Classification of Breast Cancer Detection Using Artificial Neural Network", International Journal of Current Research in Engineering Science and technology (CREST), Vol. 01, No. 3, May 2013, pp.85-91.

❖ Sulochana Wadhvani, VeenaVerma and A.K.Wadhvani, "Evolutionary Computation Techniques Based Optimal PID Controller Tuning", International Journal of Emerging Trends and Technology, Vol. 4, No. 6, June 2013, pp. 2529-2534.

❖ Surender and L. Srivastava, "Solution to Economic Load Dispatch including transmission losses using Pattern Search Method", International Journal of Advanced and Innovative Research (ISSN: 2278-7844), Vol. 2, No. 7, July 2013,pp.141-149.

❖ Veena Verma, Sulochana Wadhvani and A.K. Wadhvani, "Genetic Algorithm Based PID Tuning for Position Control of DC Servo Motor", International Journal of Chaos, Control, Modelling and Simulation (ISSN: 2319-5398).

❖ Vishal Chaudhary, Manjaree Pandit and Hari Mohan Dubey "Optimal Operation of Wind-thermal generation using differential evolution" IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE a unit of CSIR), Vol. 5, Issue 4, May-June 2013, pp. 1-8.

❖ Yogesh Sharma and Kuldeep Kumar Swarnkar "Energy-Cost Analysis of Alternative Sources", International Journal of Engineering Research and Applications (IJERA) Vol. 3, Issue1, Jan.-Feb.2013, pp. 803-810.

❖ Yogesh Sharma and Kuldeep Kumar Swarnkar, "Power System Generation Scheduling and Optimization Using Fuzzy Logic Technique", International Journal of Computational Engineering Research (IJCER), Vol.3, Issue 4, April 2013, pp. 99-106.

Electronics Deptt.

❖ Anshul Agarwal, P.K. Singhal, Shailendra Singh Ojha and Akhilesh Kumar Gupta, "Design and analysis of printed circular disc monopole antenna for L-band frequency applications", International Journal of Microwave and Optical Technology, Vol.8, No.3, May 2013, pp138-144.

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FORTHCOMING EVENTS

Number of Expert Lectures, Conference, Seminar, Training Program, etc. are planned by various departments to be organized during October 2013 to March 2014 under TEQIP – II. Details of these programs can be obtained from respective Head of Departments.

TEAM NEWSLETTER

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Prof. Vandana Sakhre

Composed by Devendra Singh