



**K.K. Wagh Education Society's
K.K. Wagh Institute of Engineering
Education and Research, Nashik.**

March 2012

**Vol.:4
Issue:3**

■ Karmaveer Lions T-20 Tournament



Inauguration T20 Cricket Tournament on 01/03/2012 by Mr. Ashwin Pandit

On the occasion of Sahastrachandra Darshan Sohala of Karmadhurandhar Hon. Shri. Balasaheb Wagh, President, K. K. Wagh Education Society, Gymkhana department has organized State Level "Karmaveer Lions Tournament". The tournament was inaugurated by Director of Western India Sports Association Hon. Shri. Ashwin Pandit in the presence of Hon. Shri. Balasaheb Wagh, Hon. Shri. Kashinathdada Tarle, Principal Dr. K. N. Nandurkar, Director Physical Education Shri. D. R. More. Total 90 Teams from all over the Maharashtra participated in games like T20 Cricket, Football, Basket Ball, Volley Ball & Table Tennis organized in this tournament. The Prize Distribution function was held at the hand of Ex-Ranji Trophy Player Hon. Shri. Sudhakar Bhalekar and in presence of Hon. Shri. Ashokbhai Merchant- Trustee K. K. Wagh Education Society, Shri. Ajinkya Wagh, and Shri.

■ Late Shri. Kakuseth Udeshi - Centenary Programme



Felicitation of family members of Late Shri. Kakuseth Udeshi who generously donated the land of 23 acres to K. K. Wagh Education Society was organized on 13th March 2012 to mark the birth Centenary year of Late Shri. Kakuseth. An oil painting of Late Shri. Kakuseth was unveiled on this occasion. All speakers appreciated the philanthropic attitude of Udeshi family and their contribution towards developing educational facilities for the benefit of poor and needy students.

■ Felicitation of Hon. Shri. Balasaheb Wagh



Shri. Balasaheb Wagh was felicitated at the hands of Hon. Shivshahir Shri. Babasaheb Purandare on 15/03/2012 at Kalidas Kalamandir,

Nashik on the entering in 80th year of his life. On this occasion the new website 'balasahebwagh.com' was inaugurated. Noted writer Shri. Nandan Rahane had informal talk with Shri. Purandare. Through this question-answer session, Shri. Purandare spoke about his experiences right from the childhood. He said that he has learned many things from his parents so it is our duty to respect our parents. He also told about his love for history & various projects undertaken by him to develop the Shivshrushti.

■ VIJIGISHA 2011-2012



The ISTE students' chapter of our college conducted a state level intercollegiate Marathi elocution competition "Vijigisha 2011-12" on 17th March, 2012 in association with "Gavkari newspaper"

to develop leadership qualities, communication skills and interdisciplinary skills among the students. This event also gave them an opportunity to present their views in the contemporary topics of interest. The function was inaugurated by Mr. Lokesh Shewade (Secretary, Kusumagraj Pratishthan, Nashik). He explained the significance of elocution competition. He also gave few hints on how to talk effectively. Prof. Anant Yevlekar, renowned professor of Marathi department of B.Y.K. College, Nashik and Mr. Naresh Mahajan, Vice President of Sarvjanik Vachnalay, Nashik were judges of the competition. 30 Students from different parts of Maharashtra participated in it. The event was coordinated by Prof. Dr. V. M. Sewalikar and Prof. Ms. Smita Pachpande.

ETCSIT-2012



Department of Computer Engineering had organized International Conference on "Emerging Trends in Computer Science and Information

Technology"(ETCSIT-2012) on 16th and 17th March 2012. ETCSIT - 2012 is a platform to bring together Professionals, academic researchers and students with a view to present and discuss conceptual and or experimental work. The papers addressed mainly the current topics of Computer Science and Information Technology. The conference was inaugurated at the hands of Dr. Ashish Bhargve, Dr. Mrs. Parvati Rajan, Dr. Uday Wad, Dr. Ashish Bhargave, Mrs. Manasi Patvardhan, Mrs. Madhuri Joshi, Mr. Ahbyankar, Dr. M. U. Kharat, Mr. Shekhar Paranjpe and Mr. N. M. Shahane were invited as session chair for the event.

EQUINOX-2012



Mr. Shashwat Johri addressing valedictory function of Equinox - 2012

The Department of Computer Engineering and MCA had jointly organized sixth National Level Technical Symposium "EQUINOX - 2012" on the 13th and 14th of March 2012. More than 1500 students from different part of country participated in the

symposium. Various events such as C & C++ Programming, Web designing, Project competition, Networking workshop, Robowar, Aptitude Test etc were conducted. Mr. Piyush Somani from ESDS inaugurated the event and Mr. Shashwat Johri from JK Enterprises was invited for valedictory function. Prof. W.W. Pingle Co-ordinated the event.

Intellectual Property (IP) and Patent Lifecycle Management Programme



One day certified programme on "Intellectual Property (IP) and Patent Lifecycle Management Programme (PLM)" was organized by department of Production Engineering with INREX

ITeS Systems Pvt. Ltd., Pune, on 10th March 2012. The event was inaugurated by Prof. Dr. K.N. Nandurkar, K. K. Wagh Institute of Engineering Education & Research, Nashik. Mr. Anand Mahurkar, Director, INREX ITeS Systems Pvt. Ltd., Pune and his team delivered expert lecture on Intellectual Property (IP), how to get patent, copyrights, trade marks etc. This programme was conducted for the staff of all the departments & P.G. students. This was coordinated by Prof. Sanjay R Gangurde.

Eclat- Invasion 2012



Department of Production Engineering in association with Production Engineering Students Association (PESA) has organized a technical event "ECLAT-INVASION-12" during

15th-16th March, 2012. This was the first of its kind and received an overwhelming response from 1000 students from engineering institutes located in North Maharashtra region. The event was inaugurated by Mrs. Vasudha Chandratre, Director, Rhythm Soft, Nashik. Number of innovative events such as PPT, Chuck It, A-Team, Pro-Destiny- 2D & 3D, Save the Eggstronaut, Drafix, Roborace, Brain Buster, File the Case and Soma's Cube were conducted during these two days. M/s. Rhythmsoft, Nashik was the prime sponsor for this event. Other sponsors which supported the event were Mahindra & Mahindra, Divine Group, Nikhil Medico, TechnoCAD, Access-CADD and Gaonkari Media Partner, Nashik.

National Level Technical Congregation "TELEKINESIS 07DC,"



The Department of Electronics and Telecommunication Engineering organized a National Level Technical Congregation, "Telekinesis 07DC," on 27th - 28th March 2012.

Prof. Mrs. M. P. Satone and Prof. Mrs. S. P. Ugale were the Faculty Co-ordinators of the event. The Technical festival had eight vibrant events and received a breakthrough response. The event was graced by Mr. Yatin Yeola from Siemens, Nashik as the Chief Guest at the inaugural function. The event witnessed a huge footfall of a crowd accounting to more than 700+ registrations. The events were: Encephalon-The aptitude test, Dexter's Lab- The mini project competition, Ambit Protocol- The circuit building competition, Gamez Ultimo- Gaming zone, Code Whiz-C and Microcontroller programming, Scoop - The online essay competition, Parchment Manifesto- Technical paper presentation.

MEC HEAVEN' 2012



Inaugural Function of Mec Heaven-2012

Department of Mechanical Engineering organized Two Days National Level Technical Event "MEC HEAVEN'12" on 15th -16th March, 2012. The event was inaugurated on 15th March by Mr. Sanjay Pande, Executive Director, Macks Surface Treatments Pvt. Ltd, Nashik. During the event different

continued on page 3



competitions were organized such as Robowar, Roborace, paper presentation, Makit competition, CAD design, Cannon ball, wayout, Nitrox and Contraption. Valedictory function was conducted on 16th March. Prizes were distributed by the hands of Mr. Sanjay Bagul, Director, Sanjit Moulding Pvt. Ltd. Ambad, Nashik and by Principal Dr. K. N. Nandurkar.

FORCE-12



The Department of Civil Engineering had organized a two day National level technical event named F.O.R.C.E (Festival of Revolutionary Civil Engineers) on 14th & 15th March

2012. Invitations had been sent to around 150 colleges across India including IIT's, NIT's, all leading Universities and Technical institutes. We were hosts to around 900 students coming to our institute, from across the country. The function was inaugurated on 14th March 2012 by famous personality Er. Pradip Kumar Nayyar, General Manager Ashoka Buildcon Ltd. Nashik.

National Level Conference of PSRES -2012



Karmaveer Expo 2012



Department of Electrical Engineering had Organized a National Level Working Model contest 'Karmaveer Expo 12' on 16-17 March, 2012. The event was inaugurated by Hon. Shri. M. K. Birmani, Chairman & Managing Director, Sivananda Electronics, Deolali, Nashik. Following Dignitaries were present, Hon. Shri. Balasaheb Wagh, Hon. Shri. Kashinath Dada Tarle, Hon. Shri. Changdeorao Holkar, Hon. Shri. D. S. Shinde, Principal Dr. K. N. Nandurkar, Prof. Dr. B. E. Kushare, HOD, Electrical Engineering. Total 366 Students from various States of India presented their models in Karmaveer Expo 12. Total prize amount was Rs. 2,00,000.00 The models presented were divided in two groups. In Group-I models from Electrical, Electronics, Computer, E&TC, IT etc. & in Group-II models from Civil, Mechanical, Production, Chemical and Textile etc. were presented.

Six Sigma Green Belt Certification



The Department of Management Studies had organized six days "Six Sigma Green Belt Certification training Programme" for students and faculties from 13th March 2012 to 18th March 2012. In all 50 students

and two faculties attended the training programme. It was conducted by Mr. C. Vishwanathan, Head - Faculty, LSS MBB and Lean & Kaizen Deployment Specialist, The school of continuous Improvement, Mumbai. In this certificate program students learned to effectively implement the DMAIC (Define, Measure, Analyze, Improve, and Control) approach for improving efficiency and reducing defects in existing business processes and to identify the root cause of process inefficiencies, eliminate them, and develop process improvements.

Yuva Mahotsav 2012



For the first time in the history of K. K. Wagh, all three technical institutes in the campus jointly organized the Yuva Mahotsav 2012 during 19-21 March 2012. It was inaugurated by Shri. Balasaheb Wagh & Shri. K. B. Tarle. During Mahotsav, over 30 different competitions were organized for the students. At the end of the event, prizes were distributed at the hands of Shri. P. S. Deodhar, Chairman, APLAB group of Industries. Along with the Yuva Mahotsav, prize distribution function for academic excellence as well as Sports events was organized on 22nd March 2012. Dr. Sudhir Tambe, MLC and renowned sports critic Mr. V. V. Karmarkar were the guest for this function. Mr. Sharad D. Jondhale was declared as the 'Best Outgoing Student'. Ms. Kasturi Ahirrao of final year Production Engineering Course received the prize sponsored by Altas Copco Ltd. The Mechanical Engineering Department lifted the overall Sports Championship.

continued on page 4



■ **Expert Lecture/Seminar/Courses/Worshop Organized:**

- Department of Electronics and telecommunication had organized following activities
 - Seminar on 'Soft Skill Development' by Nandita Ray on 1st March 2012
 - Allumni meet on 17th March 2012.
- Department of Civil Engineering organized expert talk on 'Contracts and Tenders' for Final Year Civil Engineering Students on 09th March 2012 Er. S. B. Sohoni, Ex. Secretary (Irrigation Dept.) and Ex. Head Dept. (CED) was expert person for program
- Department of Electrical Engineering had organized National Level Conference On 'Power System and Renewable Energy System 2012' during 16th -17th March 2012
- Department of Chemical Engineering had organized one day workshop on 'Effective use of Calculator' for students of Chemical Engineering on 3rd March 2012 Prof. Chandrashekar Gourshete was expert person for program.
- Department of Management studies had organized following event
 - Expert lecture on "Buisness Communication" by Mr. Harshad Purnapatre on 3rd March 2012
 - Event on "Guidelines for Specialization" by Mr. Padmanath Khapre on 9th March 2012

■ **Seminars / Workshop / Training Attended By Staff:**

- Prof. Dr. K. N. Nandurkar has attended following events
 - One day Seminar on 'Technical Universities in India-Current Scenario & Future trends and Higher Education in State of Maharashtra' organized by the Association of Management of Unaided Engineering Colleges (Maharashtra) at P.V.G.'s College of Engineering, Pune on 6th March 2012.
 - The 1st World Summit on Accreditation at Hotel Ashoka, New Delhi during 25th -28th March 2012
 - Invited as Chief Guest for prize distribution function of 'Jidnyasa 2012' the Mathematics Competition conducted by K. K. Wagh Polytechnic, Nashik for School Students on 31st March 2012
 - Invited as guest honour for Technical Lecture serried organized by The Institution of Engineers (I) Nashik local center on 31st March 2012.
- Prof. S. R. Gangurde, Prof. Dr. P. J. Pawar & Prof. A. S. Relkar staff member Department of Production Engineering participated in "Testing Consulatncy & Training Facilities" at state level vendor development program organized by NEC, Nashik on 27th March 2012.
- "Intellectual Property (IP) and Patent Lifecycle Management Programme (PLM)" organized by Department of Production Engineering on 10th March 2012 was attended by following staff members:

Sr. No.	Name of Staff Members	Name of Department
1	Prof. Smt. S. S. Bhabhad	Electronics & Telecommunication
2	Prof. Mrs. S. P. Ugale	
3	Prof. Kiran Navale	
4	Prof. Umesh Shirole	
5	Prof. Ms. Amruta Joshi	Production Engineering
6	Prof. Ms. A. B. Dokphode	Mechanical Engineering
7	Prof. Prashant B. Kushare	
8	Prof. Atul S. Patil	
9	Prof. Vilas K. Patil	
10	Prof. Ramesh V. Bhandare	Electrical Engineering
11	Prof. Ashok M. Jain	
12	Prof. Mrs. Tanuja N. Date	
13	Prof. Sharad S. Dhamal	
14	Prof. Pravin M. Sonawane	

- Prof. Kiran Navale staff member of Department of Electronics and Telecommunication Engineering has attended two days workshop on "System on Chip" organized by Walchand Institute of Technology, Solapur during 2nd -3rd March 2012.

■ **Papers Presented By Students :**

- Students of Dept. of Computer Engineering :-
 - Ms. Nikita Bedmutha, Ms. Neha More, Ms. Pranjali Prabhune secured 1st Prize in Paper Presentation at "PSRES2012" National Level Event organized by K. K. Wagh I. E. E. & R. during 16th -17th March 2012.
 - Mr. Saurabh Khanna, Mr. Bhushan Badgajur, Mr. Kapil Kaul, Mr. Missal Chanana bagged 3rd Prize at National Level Project Competition conducted by CSI at Coimbotore.
 - Mr. Sagar Karnewar secured 2nd Prize in "Mechheaven 2012" in the event 'Cruzar El Valle' and 1st Prize in the event Robo Roders. He also secured 2nd position in 'Robo Race' of "Eclat Invasion 12" and 1st Prize at Robowar of "Cognizia 12" in National Level Events.
- Student of Department of Electrical Engineering Mr. Piyush Soni, Mr. Sruti Bairas, Ms. Pesring Prema secured 3rd Prize in poster and Slogan contest on "Sustainable Development" organized by Department of Department of Electrical Engineering during 16th -17th March 2012.
- Students of Department of Chemical Engineering:
 - "IET Karmaveer Expo-2012" National Level Working Model Contest organized by Department of Electrical Engineering during 16th -17th March 2012:
 - ✓ Mr. Ninad Patil, Mr. Nikhil Sancheti, Mr. Prakash Binnar Secured 1st Prize.
 - ✓ Mr. Pranil Chitins, Mr. Chetan Malode, Mr. Jagdish Dhumal, Mr. Nilesh Pagare secured 2nd Prize.
 - ✓ Mr. Chaitanya Pawar, Ms. Prachi Mangle, Ms. Bhakti Kulkarni, Ms. Sutapa Das secured 3rd Prize.

continued on page 5



- o Mr. Hitesh Malik Ms. Vaishnavi Walzade Mr. Mayur Sonawane, Mr. Rahul Bagul secured 1st Prize in model making in "Petrovision 2k12" a National Level Technical Event organized by MIT, Pune during 19th -21st March 2012.
- o Mr. Dhananjay Mahale Ms. Nilima Mali secured 2nd Prize in Project Making Competition & 1st prize in Paper Presentation in "CHEMSTORM -2K12" Organized By PREC, Loni during 22nd -23rd March 2012.
- o Ms. Sayli Jawale, Mr. Dhananjay Mahale secured 1st Prize in Paper presentation competition in "FORCE-2012" National Level Technical Event organized by Department of Civil Engineering, K. K. Wagh I.E.E.& R, Nashik during 14th -15th March 2012.
- Students of Dept. of Information Technology:-
 - o Mr. Dinesh Modi, secured 1st prize in Web Designing and Group Discussion Contest in "CSI Convention 2012" organized by MET's College of Engineering, Nashik.
 - o Mr. Shrushti Shah and Ms. Swati Bodake 1st prize in C-Programming Contest in "Equinox-2K12" a National Level technical symposium organized by Department of Computer Engineering, K. K. Wagh Institute of Engineering Education & Research, Nashik during 13th and 14th of March 2012.
 - o Mr. Saket Badame and Mr. Imran Sayyed students of Information Technology Dept. secured 2nd prize in Web Designing Contest in "Equinox-2012".

■ **Industrial Visits Organized by Department For Students:**

Date	Class	Name of Company
03/03/2012-08/03/2012	T.E. & S.E. E&TC.	Siemens India Pvt. Ltd., Goa
07/03/2012-09/03/2012	S. E. Mechanical	Nashik Engineering Cluster, Ambad, Nashik
27/03/2012	T. E. Civil	Visit to R.C.C. structure, Administrative Building, MAHATRASCO, Nashik
21/02/2012	T.E. Chemical	Ultra Tech R.M.C. Plant, Satpur, Nashik

■ **Other Achievements**

- Prof. Dr. S. S. Sane Head Department of Computer Engineering was invited as resource person for Expert Talk on 'Cloud Datatbase' at Gokhale Education Society's COE, Nashik on 7th Mar. 2012.
- Prof. S. M. Kamlapur staff member of Department of Computer Engineering was invited to deliver expert talk on 'Weka' at Gokhale Education Society's COE, Nashik on 7th March 2012.
- Prof. J. S. Jadhav staff member of Department of Production Engineering has attended International conference on 'Advances in Mechanical Engineering' and worked as a session chair organized by Amrutvahini College of Engineering, Sangamner on 12th March 2012.

- Prof. Dr. P. J. Pawar worked as session chairman at International Conference on "Recent Trends in Engineering" held at SNJB's COE, Chandwad on 24th Mar 2012.
- Prof. Dr. Sunil Kute staff member of Department of Civil Engineering Delivered Expert Lecture on
 - o "Advances in Civil Engineering" at Spakal College of Engineering, Nashik on 13th March 2012
 - o "Water and Food Security" at J. D. C. Bytco Institute of Mang. Edu. & Research, Nashik on 22nd March 2012.
- Prof. Sudarshan Vatkar, Department of Civil Engineering delivered Expert Lecture on. "Building Planning" to Shatabdi Institute of Engg. Edu. and Research, Nashik on 30th March 2012.
- Prof. N. D. Chaudhary staff member of Department of Civil Engineering gave training to Sub Divisional Forest Engineers & Jr. Forest Engineers Asst. Conservator of Forest organized by Maharashtra Engineering Training Academy, Nashik on 12th March 2012.
- Prof. B. E. Kushare, Head Department of Electrical Engineering offered Electrical consultancy seminar to Bosch Ltd. CEAT Ltd., Times of India, New Delhi., ICOSSO India Vaishnavi Auto Pvt. Ltd., During month of March 2012.

■ **Abstracts Of Papers Presented By Staff :**

Study on Factors Affecting Electrodeposited Thin Film Solar Cells

Prof. Anuradha C. Pawar

(Department of Applied Science and Maths) State level paper presentation on Emerging Trends in Solar Energy Organized by P.V.G. College of Engineering, Nashik during 24th Feb. 2012 to 25th Feb. 2012

Abstract:- Solid films of thickness less than 1 micron are commonly called as thin films. There are various techniques to deposit solid thin films of semiconducting materials. In recent years there has been considerable interest in the electro deposition of semiconductor films for photovoltaic application. The reliable thin films are huge demand in microelectronic, optoelectronic & photovoltaic industries. The article precisely keeps focus on electro deposition method for synthesis of solid thin films. Electro deposition is the process of depositing substance by passage of electric current through the conducting medium called electrolyte, producing a chemical change (electrolysis) The property of electrodeposited film depends on electrolyte, electrode and current density. The article discusses effect of these parameters on performance of thin films & hence the solar cells prepared by them.

continued on page 6



■ Incremental Join Aggregate Algorithms Based On Compound Sliding Window

Prof. D. M. Kanade, Prof. K. P. Birla

(Department of Computer Engineering) paper presented at 'ETCSIT-2012' International Conference at K.K.W.I.E.E.& R Nashik during 16th - 17th March, 2012.

Abstract:- Incremental join aggregate queries based on sliding window are a sort of queries that are widely used. All the join aggregate query algorithms in existing research works are designed for immediate continuous queries. A join aggregate query method based on Compound sliding window for periodically executed continuous queries is presented. This method organizes the basic windows in a compound sliding window according to their join properties, the aggregate values are computed while the join processing, the join results of compound sliding window are not saved, so the memory used by query processing is greatly reduced. Some of which we discussed in CJMAX where the input data stream is serial. CJMAX algorithm possesses superior performance. There will be good time and space complexity of this incremental algorithm. Many applications in several domains require online processing of continuous data flows. They produce very high loads that require aggregating the processing Capacity of many nodes. Current Stream Processing Engines do not scale with the input load due to single-node bottlenecks. Here new concept Cloud Stream, a scalable and elastic stream processing engine for processing large data stream volumes. Cloud Stream uses a novel parallelization technique that splits queries into sub queries that are allocated to independent sets of nodes in a way that minimizes the distribution overhead. Its elastic protocols exhibit low intrusiveness, enabling effective adjustment of resources to the incoming load. Elasticity is combined with dynamic load balancing to minimize the computational Resources used.

■ Improving Web Page Clustering Using Probabilistic Latent Semantic Analysis

Prof. S. M. Kamalapur & Prof. L. A. Patil

(Department of Computer Engineering) paper presented at 'ETCSIT-2012' International Conference at K.K.W.I.E.E.& R Nashik during 16th -17th March,2012.

Abstract:- Traditional clustering algorithms are usually based on the bag-of-words (BOW) approach. A notorious disadvantage of the BOW model is that it ignores the semantic relationship among words. As a result, if two documents use different collections of core words to represent the same topic, they may be assigned to different clusters, even though the core words they use are probably synonyms or semantically associated in other form and other

disadvantage of conventional web page clustering technique is often utilized to reveal the functional similarity of web pages. Tagging can be beneficial to improve the clustering performance. Several efforts have been made to explore social tagging for clustering. But there is some drawbacks of tagging web based clustering. To our knowledge, all the existing approaches exploiting tag information for webpage clustering assume that all the WebPages are tagged, which is a somewhat restrictive assumption. In a more realistic setting, one can only expect that the tags will be available for only a small number of WebPages. In this paper, we propose a new web page grouping approach based on Probabilistic Latent Semantic Analysis (PLSA) model. An iterative algorithm based on maximum likelihood principle is employed to overcome the aforementioned computational shortcoming.

■ Inclusive Growth Of Microfinance Through Co-Operatives: Performance And Prospects

Prof. Saroj Dhake

(Department of Management Studies) Paper Presented in National Conference at MIT Pune's Maharashtra Academy of Engg. (MAE). Alandi, Pune from 9th to 11th March 2012).

Abstract:- Microfinance is our business – Cooperating out of poverty” is the message given by International Cooperative Alliance during the United Nation's Year of Micro credit in 2005. Accesses to finance and to financial services are the means to ameliorate the problems of poverty. Micro finance helps in the socio-economic development of poor and low-income communities of women and men throughout the world. Cooperative has a great role in the formation of seed capital and help in the socio-economic upliftment. Financial inclusion of the marginalized sections of the society is very essential for economic upliftment which is possible with the help of Primary Agricultural Credit Societies (PACS) through formation of Self Help Groups (SHGs) and Joint Liability Group (JLGs) The goal of a microfinance and cooperative strategy can be to enhance easily accessible, cost effective and sustainable financial services to the people living in the project area that would enable increased investment in income generating activities resulting in an increase of their income levels. Primary Agricultural Credit Societies are the lowest tier in the three tier structure of the cooperative credit and with its presence throughout the country the credit requirement of the small and marginal farmers is taken care off. There is an increasing growth rates in the deposits and loan disbursement of PACS This paper tries to explain the growing importance of cooperative.

Prof. Dr. K. N. Nandurkar
PRINCIPAL

