



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

August 2014

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■ FE Welcome Function

A Welcome function for all the newly admitted F.E. students was arranged on 2nd & 3rd August 2014. The function was arranged in three sessions and three venues according to the branches. Principal Dr. K. N. Nandurkar, Prof. Dr. S. S. Sane (H.O.D. Computer), Prof. Dr. B. E. Kushare (H.O.D. Electrical), Prof. A. M. Jain (Electrical Engg.), Prof. M. B. Murugkar (H.O.D., Mechanical), Prof. S. B. Chandgude (H.O.D., Production), Prof. A. L. Varne (Civil Dept.), Prof. Dr. D. M. Chandwadkar (H. O. D. E&TC), Prof. Dr. V. S. Mane (H.O.D. Chemical), Prof. Dr. Mrs. P. D. Bhamre (H.O.D. I.T.) Prof. M. D. Kokate (E & TC Dept.), Prof. S. N. Kadlag (H.O.D., Science & Maths), Prof. Dr. S. S. Naik (Science & Maths Dept.), Prof. J. S. Jadhav (Production Dept.) guided the students and parents in various sessions for their four year journey with KKWIEER. Considering the fact that, the revised FE structure and syllabus is implemented from the academic year 2012-13, the guidance given by the faculty has proved to be more important for the students and parents.



Principal Dr.K.N. Nandurkar addressing to students of first year in welcome function

■ MBA Induction Programme

MBA department conducted Induction Programme for first year students. Industry personnel had an interaction with students

on topic "Expectations of Industry from Management Graduates". The programme was inaugurated by Mr. Nishikant Ahire, Chairman, AMT Group of Companies & Chairman of CII, North Maharashtra Zone. Other Speakers were Mr. Shrirang Kogekar (Retd. Asst. General Manager Crompton Greaves Ltd.), & Mr. Rajiv Deshpande, Co-Founder & Director, Business Edge Solutions Pvt. Ltd.



Induction programme of first year MBA students

■ Meeting With Prof. Dr. V. V. Mahajani for Funding Opportunities

Dr. V. V. Mahajani, An Advisory Committee Member of our Institute and Retired Professor of ICT Mumbai visited on 5th August 2014. He gave the lecture on the topic 'Funding and Grants available for Educational Institutes from various Sources and Agencies'. Hon. Shri. Balasaheb Wagh, President of K. K. Wagh Education Society felicitated to Dr. V. V. Mahajani. Principals and HODs of Engineering and Polytechnics and Principal of Arts, Science & Commerce College and Principals of Agricultural and allied Colleges were present for the lecture. Initially Prof. Dr. B. E. Kushare, HOD of Electrical Engineering gave brief presentation on various grants, eligibility criteria for these grants and details of agencies providing grants. Dr. V. V. Mahajani provided guidance for obtaining grants from various departments and gave suggestions.



Meeting with Dr. V. V. Mahajani on 5th August 2014

■ Visit by Prof. Rajendrasingh

Prof. Rajendrasingh, Chairman, Tarun Bharat Sangh (Ramon Magsaysay Award Winner, 2001) visited our Institute on 7th Aug. 2014. The meeting was organized with him at Central office meeting hall. Hon. Shri. Balasaheb Wagh, President of K. K. Wagh Education Society Nashik felicitated the guest. All Principals and Heads of various Institutes of K. K. Wagh Education Society were present for the meeting. He discussed the issue of how to maintain clean environment without pollution. Also his expert talk was organized at Dr. P. C. Ray Hall on "Green Kumbha and River Protection". In this expert talk Dr. Rajendrasingh explained the importance of Kumbhamela and appealed to all staff and students that they should actively involve into the various activities of Kumbhamela and provide technical solutions to social problems like Cleanliness, Water Quality Management and pollution. He also addressed on issues like Godavari river protection from pollution and role of Government and Municipal Corporation. He mainly focused on keeping Godavari live so that Nashik's name could be taken with due respect. At the end he told some of his experiences regarding Ganga Protection issues and some steps taken by his Tarun Bharat Sangh.



Prof. Rajendrasingh, Chairman, Tarun Bharat Sangh

■ Programme on Confidence Building for FE Students

The Confidence Building Programme for first year students was organized in the Institute on 26-27 Aug. 2014. It was conducted by Prof. Devadatta Gokhale and Mrs. Rashmi D. Gokhale, of Gokhale Advanced Training Institute, Jalgaon. It was a very interactive programme. The students enthusiastically participated in the activity. The programme covers various aspects of developing an individual's confidence & Personality. The activity conducted was very practical and professional based, which is useful for engineering students. Around 240 students from four FE classes attended this programme.



The Confidence Building Programme for first year students

■ 3rd HR Connect 2014

The Training and Placement Cell of our Institute organized a programme titled "3rd HR Connect" on 13th Aug. - 2014. The objective of this HR connect is to invite the HR Managers of our regular recruiters to our campus and to provide an interactive platform for Students of Third Year and Final Year Engineering. Around 150 students and 5 staff members have participated in this programme. HR manager Mr. Shirrang Kogekar Ex-AGM Crompton Greaves and Mr. Santosh Sulake Director, B Catma, Nashik were the Resource person for this HR Connect. Mr. Shirrang Kogekar shared General Recruitment process of companies and How to prepare CVs and its contents. Further, he also shared the importance of ethics and values in the campus selection process. Mr. Santosh Sulake told the students the expectations of SME's from young engineers. Further he also told the students to explore industry visits to reduce the gap. The Programme started with the welcoming of HR managers by Prof. Dr. S. S. Sane, HOD Computer Engineering Department and ended with questions-answer session and vote of thanks by Dr. P. K. Shahabdkar, Training and Placement Officer.

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3rd HR Connect 2014

■ LINUX Workshop

Two Days Linux Workshop was organized Computer Engineering department for BE Students on 4th & 5th Aug. 2014. Total 50 students attended the workshop. The workshop was conducted by Mr. Bhavesh Pali and Mr. Anusheesh Dhawne of NEXUSNET, Nagpur. On first day Linux Installation, Linux File System, Application Installation, Shell Concept and operations, Shell commands, Monitoring Linux, Hands on Session were covered and day second started with Programming in Linux, Language support, Editors, Compilers, Hands on Command Line Usage and Web programming languages: HTML, PHP, LAMP. At the end of the workshop online test and feedback was conducted by Nexusnet and Certificates were distributed to each participant.



Participants of Linux Workshop

■ CSI Golden Tech Bridge Programme

On 9th Aug. 2014, CSI Golden Tech Bridge Programme conducted by Student Branch of CSI, K. K. Wagh Institute of Engineering Education and Research, Nashik. 30 Senior Citizens & Housewives and 30 Students from Sukhdev Vidyamandir Ashram Shala were present for the programme. For this programme speaker Mr. Anurag Kenge, Director, Cyberedge Solutions Nashik demonstrated fundamentals of computers and the use of Internet in day today life. He elaborated how to use websites like

Railway and Bus Reservation, Apply for Passport, MSEB and Telephone Bill Payment, Searching and Adding names in Voters list, Gas Cylinder Distribution and Booking online. He also explained how to use Internet Banking and while using internet which security measures should be taken.



30 Senior Citizens & Housewives and 30 Students from Sukhdev Vidyamandir Ashram Shala were present for CSI Golden Tech Bridge Programme which was conducted in our Institute.

■ Lecture by Dr. Nandkumar Gilke for NBA preparation

A lecture on NBA preparation was organized in the Institute by Dr. Nandkumar Gilke, Vice Principal, K. J. Somaiya College of Engg., Mumbai on 8th Aug. 2014. He gave the detailed information about the preparation for NBA and filling up of new format of NBA to the faculties of the Institute.

■ Independence Day Celebration

The Independence Day was celebrated with full honour on 15th Aug. 2014. The National Flag was hoisted at the hands of Mr. Ashokbhai Merchant, Trustee of K. K. Wagh Education Society Nashik. Mrs. Sushmajee Ashokbhai Merchant, Mr. Sureshjee, all staff members from all the Institutes of this campus and students from girls and boys hostels were present.

■ NSS Activities

- On 11th and 14th August 2014, NSS had organized "Blood Checkup Camp" in association with Nashik Municipal Corporation. Total 865 students participated in this camp.
- NSS volunteers participated in Cycle Rally organized by Green Goda Foundation on 15 August 2014.
- NSS and Prayas had organized Tree Plantation at Anjaneri, Trimbakeshwar.
- NSS volunteers visited to Aadhartirth Aadhar Ashram and donated stationery to the students.

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- NSS organized “Road Safety Education Workshop” in association with Rushabh Honda Pvt., Ltd., Nashik.



NSS and Prayas had organised Tree Plantation at Anjaneri, Trimbakeshwar.

■ Sport Activities

KKWIEER table tennis men and women team has won inter collegiate table tennis tournament 2014-15 which was organized by MVPs Karmveer N. M. Sonawane Arts, Science and Commerce College, Satana, Dist.Nashik. Boys team defeated BYK Boys team by 3-1. Girls team defeated BYK Girls team by 3-0. Aditi Tupsakhre, Anuja Nimbalkar, Saurabh Chandratre, Sarvesh Chandratre, Chinmay Atrawalkar, Prasad Lokhande selected for Inter zonal tournaments. Snehal Seshmukh, Sarvesh Gadre, Chetan Palde, Sanket Joshi selected for Nashik zone team for inter zonal tournament.

■ Student Council Election

Student council (A. Y. 2014-15) meeting was held on 9th Aug. 2014 and Mr. Sanket Dhokale was elected as the General Secretary, Mr. Tej Autade was elected as the Cultural secretary and Mr. Varun Varia was elected as the Sports Secretary.

■ Expert Lecture/Seminar/Courses/Worshop Organized:

- Computer engineering department organized an expert talk of Mr. Radhey Afre on “Digital Techniques” on 2nd Aug. 2014 and an expert talk of Ms. Umaima Bohari on ‘Distributed Systems and Big Data Hadoop’ on 12th Aug. 2014. Same department also organized an expert talk by Mrs. Kanchan Parashare on ‘Project Management using CASE Tools and Templates’ on 13th Aug. 2014 and an expert talk by Mrs. Nanda Gaikwad & Mrs. Vinaya Kulkarni on ‘Enterprise Level Design uses Java’.
- Department of Production Engineering organized an expert talk on ‘Futuristic

Technologies’ by Prof. J. S. Jadhav of Production Engineering Department, KKWIEER, Nashik on 2 Aug. 2014 and Expert lecture on – “Rapid Prototyping” by Mr. Amit Jadhav of Design Tech Systems Ltd., Pune on 23rd Aug. 2014. Same department also organized training on ‘Logic and Mathematical Aptitude’ by FACE Academy during 26-31 Aug. 2014.

- Electronics & Telecommunication Engineering Department organized Training Workshop of Face academy on “Aptitude, Soft skills, GD, PI, Logical Reasoning” during 4th to 7th Aug. 2014, Training workshop on “Automotive Electronics” of KPIT company during 2nd to 12th Aug. 2014, a seminar of Mr. Rohit Parmar on brief introduction of “Arduino, Eagle and Late” on 9th Aug. 2014 and Training workshop of Ray Academy on “Aptitude, Soft skills, GD, PI, Logical Reasoning” on 11th Aug. 2014. Same department also organized a Mock PI of Shri. Ganesh Baviskar and Shri. Desale, Crompton Greaves, Nashik for preparation to appear for CG interview conducted on 14th Aug. 2014, one day workshop of Shri. Rohit Parmar from Micron Embedded & software solutions, Thane on Egale (PCB designing software) on 22nd Aug. 2014 and a seminar of Shri. Sohan Desale, Crompton Greaves, Nashik, on “Opportunities for Embedded systems in Industry” on 28th Aug. 2014.
- Mechanical Engineering department organized an expert talk of Prof. Satish Tambat, Aurangabad on “Career option after Engineering with special emphasis on GATE” on 1st Aug. 2014 and an expert talk of Mr Amit Gore on “Career Guidance” on 7th Aug. 2014. Same department also organized an expert talk of Er. Kaustubh Bhonge, Mico Bosch Pvt. Ltd., Nashik on “Quality, Maintainance & Purchasing” on 21st Aug. 2014 and an expert lecture of Prof. Devadatta Gokhale and Mrs. Rashmi D. Gokhale, Gokhale Training Academy, Jalgaon on “Personality Development” on 27th Aug. 2014.
- Electrical engineering department organized an expert talk of Mr. Sudhir Patil, TDK EPCOPS Nashik on “Basic of Capacitor & Manufacturing” on 7th Aug. 2014, an expert

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talk of Mr. P. Vishnuvardhan Reddy, TDK EPCOPS Nashik on “Reactive Power Management in Non Sinusoidal Conditions & Active Filter” on 13th Aug. 2014. Same department also organized an expert talk of Mr. Norbert D’souza, Deputy General Manager, Mahindra & Mahindra, Nashik on “Industrial Safety” on 22nd Aug. 2014 and an expert talk of Mr. Krupal Kadam, Assistant Manager, Rittal India Pvt., Ltd., on “Rittal Systems” on 30th Aug. 2014.

- Chemical engineering department organized an expert talk of Mr. Dnyaneshwar Awasare, Scientific Officer, National Power Corporation India Ltd., Tarapur on “Nuclear Energy-Green Energy” on 4th Aug. 2014 and an expert talk of Mr. Nilesh Lahoti, Director, Giri Paints, Nashik on “Entrepreneurship” on 11th Aug. 2014. Same department also organized an expert talk of Dr. A. W. Pathwardhan, Professor of ICT Matunga, Mumbai on “Separations using Supported Liquid Membrane” on 14th Aug. 2014 and an expert talk of Mr. Niket Dhirai, Director of Camyplants, Mumbai on “Business Aspects of the Process Industry” on 16th Aug. 2014.
- MBA department organized an expert lecture of Mr. Dev Koli (Chairman AMTS Consultancy) on “Neuro Linguistic Programing” on 2nd Aug. 2014, an expert lecture of Prof. Dr. Pramod Shahbadkar (T&P Coordinator, KKWIEER) on “Training and Placement Orientation” on 12th Aug. 2014 and an expert lecture of Mrs. Nandita Ray (Founder, Rays Academy) on “Soft Skills orientation” on 19th Aug. 2014. Same department also organized an expert lecture of Mr. Vilas Deole, (Secretary, Nashik District Consumer Forum) on “Consumer protection act” on 22nd Aug. 2014 and an expert lecture of Mr. Saleem Raja, (Practicing CA) on “Mergers and Acquisition” on 28th Aug. 2014. Same department also conducted Advanced Excel Workshop for Non-Teaching staff of our Institute. The Program was conducted by Mr. Ashok Sindkar, Advanced Excel trainer on 23rd Aug. 2014.
- MCA department organized an expert lecture of Mr. Rajmohan Pardeshi from Gulbarga University, Karnataka on “How to do Research” on 2nd Aug. 2014 and an expert lecture of Prof. N. M. Shahane on “Project How

to” on 5th Aug. 2014. Department also organized an expert lecture of Mr. Nitin Palde of L&T Infotech, Mumbai on “Preparation for L&T drive” on 23rd Aug. 2014 and an expert talk of Mr. S. A. Bhadane from BSNL on “GSM Overview” on 27th Aug. 2014.

- One day training programme on MS-Office and Excel for Non Teaching Staff of all Colleges under K. K. Wagh Education Society, Nashik was organized on 30th Aug. 2014.
- T & P Cell organized one day training programme titled “Recruitment Readiness” by Mr. Prashant Karadikar, Head Talent acquisition, L&T InfoTech, Mumbai on 22nd August 2014. He trained the students for aptitude skills and Personal Interviews and also he shared L&T’s campus selection process. Around 160 students from Computer/IT/MCA/Electronics and E&TC students have attended this training Programme.

■ Industrial Visits Organized For Students:

Date	Class	Name of Company
01/08/2014	TE Chemical	Sunshine Paints, Nashik
02/08/2014	BE Electrical	M.S.E.T.C.L., SLDC, kalwa
02/08/2014	ME Electrical II	HVDC Padghe
02/08/2014	TE Electrical	HVDC Padghe
14/08/2014	BE Mechanical (A Division)	Konark Fabtech India Pvt. Ltd. Ambad & Nitesh Udyog. Ambad
14/08/2014	SE Mech. (C Div.)	Indian Tools Pvt. Ltd., Satpur
14/08/2014	SE Mech. (C Div.)	Samtech Industry, Satpur
23/08/2014	BE Chemical	Catapharma Pvt., Ltd. Sinner

■ Training & Placement :

Name of the Dept.	Name of Company	No. of students selected
Electrical Engg.	Crompton Greaves Ltd.	07
Mechanical Engg		03
MCA	Eternus Pvt. Ltd., Pune (2013-14)	02
Computer Engg.	ACE Solutions Pvt., Ltd.	08
Information Tech.		01
Computer Engg.	Vertis, Ltd., Pune	01
Information Tech.		02

■ Books Purchased in Central Library : July 2014

Sr.No.	Name of Dept.	Total No. of Books purchased
01	MBA	06

■ Other Achievements

- Principal Dr. K. N. Nandurkar was invited as Chief Guest for inauguration of storytelling competition held on the occasion of birth anniversary of Late Padmashri Kakasaheb Wagh on 8th Aug. 2014.



- Prof. Dr. B. E. Kushare, Head of Electrical Engineering offered consultancy services to Electrical Design of Kosso Nashik, Kosso India Pvt., Ltd., Bosch Dinning 202, Energy Audit at Bosch Chiller, Times of India, Sahibabad, Times of India, Airoli and Bosch Ltd., Nashik. He also delivered an Expert Lecture in One day workshop on “Holistic approach in Energy Management”, organized by PCRA in Mumbai for Oil and Gas Sector.
- Electrical Engineering staff Prof. P. S. Dhamal delivered lecture at MSPGCL, Nashik training Centre, Eklahare on 6th Aug. 2014 on topic, “Fundamentals of Electrical Machines”, Induction level training Batch- N55. He also delivered lecture on “Fundamentals of Electrical Machines”, Induction level training Batch- N56 at same place on 20th Aug. 2014.

■ **Abstracts of papers presented during August 2014:**

A novel Approach for Proactive Wireless Data Transmission

Prof. M. D. Kokate

(Published paper in International Journal of Engineering Science Invention Research & Development e-ISSN: 2349 – 6185)

Abstract: Security is one of the important aspects in computer communication. System is based on novel approach for transmission of data with concealed information is evinced. In this approach, we convert gray image into RGB, the RGB image is then compressed with the help of DCT. Compressed image is then watermark, and the secure information is concealed. At the last we encrypt the image using encryption algorithm to transmit over channels wirelessly. Frequency and Spatial domain transformation tools have been used to achieve security. The information is embedded as watermark into the lower order bits of the image pixels. To enhance the robustness of the embedded Information, the encrypted watermark is compressed by using wavelets. At the receiver end, the received image is decrypted first to uncompress. The image is extracted; watermark accuracy depends on the region of the image into which it is embedded. Hence extracted watermark accuracy is evaluated for three different regions of the image with no noise. The

bursty wireless channel is simulated by adding impulse noise to the embedded image. Extracted image is uncompressed using IDCT and converted into gray image. The efficiency of the proposed approach is illustrated with the implementation results on an encrypted and decrypted image.

Keywords: Image Encryption, Encryption, Decryption, Advance Encryption Standard (AES), Discrete Wavelet Transform (DWT), Image Quality.

■ **Crystalline Zinc Indium Selenide Thin Film Electro synthesis and its Photo electrochemical Studies**

Prof. Mrs. A. C. Pawar

(Presented in International Conference on ‘Advances in Energy Research 2013, ICAER 2013)

Abstract: A room temperature electrochemical synthesis of Zinc Indium Selenide ($ZnIn_2Se_4$) thin films has been carried out. The films were polycrystalline and exhibited n-type conductivity. $ZnIn_2Se_4$ films were found to be photoactive in polysulphide solution. The photo electrochemical (PEC) studies of these films have been carried out using current-voltage (I-V) characteristics, power output characteristics, spectral response, Mott-Schottky plot and electrochemical impedance spectroscopy (EIS).



▲ Blood Check up Camp organized by NSS



Felicitation of Hon. Dr. Rajendrasingh

Prof. Dr. K. N. Nandurkar
PRINCIPAL

