



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

August 2015

Vol.:7  
Issue:8

■ **27<sup>th</sup> Advisory Committee Meeting**



An advisory committee meeting on 22<sup>nd</sup> August 2015 in the Institute



Inauguration of Dr. A. P. J. Abdul Kalam Career Development Centre

The 27<sup>th</sup> Advisory Committee meeting was held in K. K. Wagh Institute of Engineering Education & Research, Nashik on 22<sup>nd</sup> August 2015. Chairman of an advisory committee Shri. Vivek Sawant and other Advisory Committee members were felicitated by Hon. Shri. Balasaheb Wagh, President, K. K. Wagh Education Society. Advisory Committee members Prof. Dr. B. M. Naik, Shri. N. A. Joshi, Dr. U. N. Gaitonde, Dr. D. M. More, and Dr. V. V. Mahajani were present for the Meeting. Trustee Shri. Sameer Wagh, Shri. D. S. Shinde, Secretary Prof. K. S. Bandi and Principal Dr. K. N. Nandurkar were present. All Professors, Associate Professors, all HODs of the Institute, Principals and HODs of Polytechnic Institutes and Agriculture allied colleges attended the meeting. On the same

day before the advisory meeting Inauguration of New T&P Cell was held at the hands of Shri. Vivek Sawant (MD, MKCL) Chairman of an advisory committee and in the presence of Advisory Committee members and all management. This is being named as Bharat Ratna Dr. A. P. J. Abdul Kalam Career Development Center.

■ **One Day Training Programme for Non Teaching Staff on 'Behavioral Aspects'**



Workshop for Non Teaching staff on Behavioral Aspects

Mr. Sanjay Puranik, an Ex-Employee of Mahindra and Mahindra conducted a workshop on 9<sup>th</sup> August 2015 for Non Teaching staff on Behavioral Aspects. He made the participants aware about importance of positive attitude, team work and good communication skills through various activities/ assignments. He also explained the importance of 'customer' and customer handling. Around 40 Non-teaching staff members attended this workshop.

■ **ISTE Students' Chapter - New Council Installation and Lecture by Prof. B. M. Naik**

An ISTE Students' Chapter committee for the academic year 2015-16 of K. K. Wagh Institute of Engineering Education and Research was officially inaugurated in the presence of honourable chief guest Prof. B. M. Naik (An advisory committee member of our Institute), Principal Dr. K. N. Nandurkar, T&P Officer Dr. P. K. Shahababkar and ISTE

Students' Chapter faculty advisor Prof. P. S. Vispute. The event was held on 22<sup>nd</sup> of August and was attended by the first and second year students. Prof. B. M. Naik, Past Director of Shri. Guru Gobind Singh College of Engineering, Nanded, and also the past President of ISTE, Maharashtra and Goa region, enlightened the students on what 'innovation' is and how it goes hand in hands with different career paths. He explained the importance of leadership qualities among the students and gave them valuable career guidance. Principal Dr. K. N. Nandurkar expressed his views on ISTE Students' Chapter and appreciated the previous committee for conduction of various activities throughout the year. Prof. Vispute then briefed about the events conducted by ISTE Students' Chapter in the last academic year. Following this, the winners of the Ramanujan Mathematics Competition at national and zonal level were awarded. The Ramanujan Mathematics Competition is an annual event organized by ISTE Students' Chapter which aims at finding the ingenious mathematicians hidden among not only students but also the teachers. After Prof. B. M. Naik's precious guidance, the paramount part of the event began – felicitation of the current and the new ISTE Students' Chapter committee.



From L to R: Prof. P. S. Vispute, Prof. B. M. Naik, Prof. Dr. K. N. Nandurkar and Prof. Dr. P. K. Shahabdkar

### ■ Confederation of Indian Industries (CII) North Maharashtra Zonal Council meeting Conducted

CII (Confederation of Indian Industries) North Maharashtra Zonal Council had conducted their 3<sup>rd</sup> Bi- monthly meeting in our institute on 12<sup>th</sup> August 2015. Expectations of Institute from the industries were shared. The Proposal for training teaching staff during vacations was presented by our Principal Dr. K. N. Nandurkar. Around 20 CII Members, Hon. Trustee Shri. Sameer Wagh, HODs and Principals of 3 Polytechnics participated in this meeting.



CII Meeting on 12<sup>th</sup> August-2015 in KKWIEER

### ■ Inauguration of FE Book exhibition at Central Library

Kusumagraj Central Library organized Three Days "First year Engineering Book Exhibition according to new Syllabus" during 25<sup>th</sup> to 27<sup>th</sup> August 2015. This Exhibition was Inaugurated by Principal Dr. K. N. Nandurkar & HOD, Science Department, K. K. Wagh Institute of Engineering Education & Research, Nashik. Principal Dr. K. N. Nandurkar said this kind of Book Exhibition will help to improve reading habits.



Inauguration of Book exhibition on 25<sup>th</sup> August 2015

### ■ Visit to Aurangabad for 2 day Conference on Jal-Pathik

On 8<sup>th</sup> August 2015, Principal Dr. K. N. Nandurkar visited Aurangabad along with Chairman Hon. Shri. Balasaheb Wagh for attending 2 day Conference on Jal-Pathik – 'Contribution of Voluntary Organization in Water Sector'. On this day Hon. Dr. Madhavrao Chitale was felicitated on his 81<sup>st</sup> birthday by Shri. Balasaheb Wagh on behalf of K. K. Wagh Education Society, Nashik.

### ■ Lecture by Swami Nirbhayanand – 'Vedant and Science'

On Wednesday, 19<sup>th</sup> Aug. 2015, NSS Unit of our Institute had organized an expert lecture on topic "Vedant and Science" by Swami Nirbhayananda (Famous Spiritual Guru and Religious Speaker). During this event Swami Nirbhayananda felicitated to all the newly elected members of student Council.

continued on page 3



Lecture by Swami Nirbhaynanda

### ■ Activities conducted during KUMBH MELA

Students of K. K. Wagh Institute of Engineering Education & Research, Nashik and Prayas Youth Forum and Social Research Foundation, Nashik has been jointly organized many events over last few years. Similarly this year, on the occasion of first Parvani (Prestigious Shahi Snan) during this Kumbh Mela, the volunteers of K. K. Wagh Institute of Engineering Education & Research, Nashik & Prayas Youth Forum decided to create awareness amongst pilgrims and local people about the adverse effects of using Plastic Bags and motivate them for making this Kumbh Mela truly Green by using Paper Bags instead. For this 135 volunteers (students from various branches of our Institute) collected the raw material required (i.e. Waste newspaper, Sheet Covers) from different institutions of our Educational Society. On Sunday, 23<sup>rd</sup> August 2015 all the volunteers made a total 1150 paper bags. Distribution of these Bags was carried out on Thursday, 27<sup>th</sup> August 2015. Along with the distribution, our volunteers spread a message of keeping our city clean and pollution free during this Kumbh Mela.



Distribution of Paper bags during Kumbh Mela

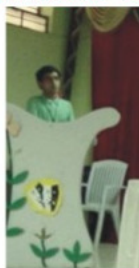
### ■ Drinking Water arrangement during KUMBHMELA

On 28<sup>th</sup> and 29<sup>th</sup> August 2015 NSS unit had arranged "Free Drinking Water Stall" for the pilgrims coming to Nashik for Kumbhamela Parvani (First Shahi Snan). Total 40 NSS Volunteers served free drinking water of 7500 lit. to about 30,000 pilgrims.



Free Drinking Water Stall

### ■ Lecture on 'Gender Inequality'



On Tuesday, 4<sup>th</sup> August 2015 NSS had organized expert talk on "Gender Equality and Women Safety" by Dr. Ajinkya H. Patil (Ph. D. from Groningen University, Netherland and Coordinator Youth Program, Anti Dowry Movement, India).

Expert talk on "Gender Equality and Women Safety"

### ■ Student Council Election

Student council (A.Y. 2015-16) meeting was held on 17<sup>th</sup> August 2015 and Mr. Sushant S. Patil was elected as the General Secretary, Mr. Sayali Chandwadkar was elected as the Cultural secretary, Mr. Rahul M. Daware as NSS representative and Ms. Shivani Gaikwad and Ms. Sunayana Salunke was elected as the Ladies representative.

### ■ Independence Day Celebration



Staff and Student with Trustee Hon. Shri. Ashokbhai Merchant

The Independence Day was celebrated with full honour on 15<sup>th</sup> Aug. 2015. The National Flag was

continued on page 4

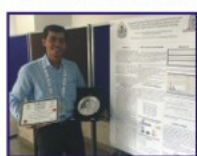
hoisted at the hands of Mr. Ashokbhai Merchant, Trustee of K. K. Wagh Education Society Nashik. All staff members from all the Institutes of this campus and students from girls and boys hostels were present.

#### ■ CONGRATULATION



Mr. V. D. Wakchaure completed his Ph.D. under the guidance of Principal Dr. K. N. Nandurkar at our Production Engineering Research Centre. His title of the thesis was 'Performance enhancement of industries through analysis of integrated Manufacturing Practices.

#### ■ CONGRATULATION



Prof. J. P. Shah of Electrical Engineering department awarded Third prize for poster paper presentation on topic "Harmonic Mitigation of Solar Photovoltaic System by Shunt Harmonic Filter" at 6<sup>th</sup> World Renewable Energy Technology Congress in International Conference and Exhibition during 21-23 August 2015, New Delhi. Co-authors of the paper were Mr. Chinmay Kushare [TE Electrical] & Ms. Bhoomika Gupta [Crompton Greaves, R & D]. The main objective of the proposed system is to suppress the harmonics from Solar Power System Multilevel Inverter based Shunt Active Filter for nonlinear load.

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

- Counseling round for ME Admission in Nashik region was held in our Institute on 11/08/2015. Around 42 students participated in this round.
- Computer engineering department organized a seminar on "Gate examination" by Mr. Amit Mane from for TE Computer Engineering Students. Same department also organized "Academic Seminar Guidelines" for TE Computer Engineering students on 21 August 2015 by Prof. Dr. S. S. Sane (Head, Computer Engineering department), Prof. N.M. Shahane and Prof. Mrs. S. M. Kamalapur.
- E&TC department organized an expert lecture on "Project Management" on 19<sup>th</sup> August 2015 and an expert lecture on "Internet of things" by Miss Preeti Bakale, Hitron components on 20<sup>th</sup> August 2015. Same department also

organized One day workshop on "VLSI Design" by Mr. Chetan Deokar on 21<sup>st</sup> August 2015.

- Production engineering department organized an expert lecture by Mr. Dhawal Thakkar on "Finite Element Analysis (FEA)" on 1<sup>st</sup> August 2015 and an expert lecture by Mr. Rahul Mahajan, Deputy General Manager, Mahindra & Mahindra on "Digital Solutions for Manufacturing Engineering Challenges in Automobile".
- Mechanical Engineering department organized Workshop on "Hydraulics & Pneumatics" by Mr. Kathale during 18/08/2015 to 20/08/2015.
- Electrical Engineering department organized an expert lecture by Mr. Dewal on 27<sup>th</sup> August 2015 on MATLAB and Ms. Kanchan on 26<sup>th</sup> August 2015 in association with IET Nashik Center.
- Chemical Engineering department organized an expert guidance session of Prof. Dr. V. V. Mahajani, Ex-Professor of ICT Mumbai (An advisory Committee Member of our Institute) on "Final year Project" on 22<sup>nd</sup> August 2015. Same department also organized an expert lecture of Dr. Sudhir Sawant, Ex-Professor of ICT Mumbai on 7<sup>th</sup> August 2015 on "Scope of Chemical Engineering".
- IT department organized a session on "Cisco Routing and Switching" by Mr. Dhananjay Patankar on 21<sup>st</sup> August 2015 and workshop on "Android Application Development" on 1<sup>st</sup> August 2015 by Mr. Trideep Banerjee, Alumni of I. T. Dept. (Batch 2013), Software Developer, Winjit Technologies, Nashik. Same department also organized a debate on topic "Is college a Prison?" on 5<sup>th</sup> August 2015 for SE students and a session on "Failures in life" on 26<sup>th</sup> August 2015 in which 20 students expressed to share their experience of different failures and what they had learnt from these failures.
- MCA department organized an expert lecture of Ms. Nayreen Sayyed from KPIT Technologies, Pune on "Preparation for KPIT" on 1<sup>st</sup> August 2015 for the third year MCA students and an expert lecture by Ms. Anumeha Jagtap, Sr. SAP consultants from IBM India Pvt., Ltd., Pune on "Career in SAP" on 8<sup>th</sup> August 2015. Same department also

continued on page 5



organized an expert lecture by Mr. Alok Mishra, Project officer from MCED, Nashik on “Entrepreneurship awareness and opportunities in IT” on 13<sup>th</sup> August 2015 and an expert lecture by Mr. Rohit Sonawane, CEO from Excellence port, Nashik on “Android Application Development” on 22<sup>nd</sup> August 2015. Same department also organized an expert lecture by Ms. Rajashri Kapure, from HPT Arts and RYK Science College, Nashik on “Soft Skills” on 27<sup>th</sup> August 2015.

- MBA department organized an expert talk on “Segmentation, Target Marketing and Positioning” by an expert Mr. Sunil Deshpande (Crompton Greaves Ltd.) during 3-4 August 2015 and an expert lecture “Entrepreneurship as a career option” by Mr. Kiran Mohite-Tikekar (Director-Muktangan).

#### ■ Seminars/Workshop/Training attended by Staff:

- E&TC department staff Prof. Ms. Snehal Patil and Prof. Mrs. K. P. Shinde attended Two days FDP on “Lab view graphical system design in Engineering applications” at Sandeep Institute of Technology and Research Center, Nashik during 21-22 August 2015.
- Electrical Engineering staff Prof. S. S. Dhamal, Prof. Mrs. N. N. Jangle, Prof. Ms. M. R. Rade, Prof. Ms. R. A. Ahire, Prof. Ms. S. A. Sagre attended an “IET FDP: Energy & Power Quality Management and High Voltage Engineering” organized by GES’s R. H. Sapat College of Engineering, Management Studies & Research, Nashik during 22-24 August 2015. Same departmental staff Prof. S. S. Dhamal and Prof. Mrs. N. N. Jangle attended one day seminar at our Institute on “MATLAB applications in Electrical Engineering” organized by Electrical Engineering department in Association with IET Nashik Center.
- Prof. Dr. Mrs. Preeti. D. Bhamre (Head, IT Department) and Prof. Ms. Poonam B. Mahale attended one day certificate course on “Intellectual Property Rights” on 14<sup>th</sup> August 2015 organized by Computer Society of India, Nashik Chapter in association with Institution of Engineers (India), Nashik Local Centre. Same departmental staff Prof. S. V. Purkar attended one Day FDP on “Revision of Outcome Assessment Process” on 19<sup>th</sup> August 2015 organized by Pune Vidhyarthi Griha’s College of Engineering and Technology, Pune in association with BOS SPPU, Pune.

#### ■ Industrial Visits Organized For Students:

Date	Class	Name of Company
		Press Metal Industries, Meta Forge Industries,
	T.E.Mechanical	Swift Pvt., Ltd., Mech Matrics Industries, Shamla
04/08/2015	(Arranged visit	Electroplaters, B-CATMA, Unique Treatment,
	batch wise to	Viraj Industries, Technoshell Pvt.,Ltd., Vaishnavi
	each Company)	Auto Pvt., Ltd., Shirke Industries & Technoflow
		Industries
30/07/15	S.E.Chemical	Bhikusa Paper Mill, Nashik
20/08/2015	S. E. Chemical	Sunshine Paint Pvt., Ltd.
21/08/2015	T. E. Electronics	BHAIR, Mumbai.
24/08/2015	T. E. Chemical	Positive Metering Pump Pvt., Ltd.
25/08/2015	B.E.Electronics	Project exhibition at Mumbai
26/08/2015	B.E.Electronics	Apollo Hospital, Nashik

#### ■ Training & Placement :

Name of Company	Name of the Dept.	No.of students selected
Workz Media FZ LLC'	Mechanical Engg.	04
based in Dubai	Production Engg.	01

As a part of Indian Air force continuous efforts to connect with young talents of Engineering colleges, Air Force Station Ozar has arranged a Motivational visit to their “Air Force Station Ozar” on 8 August-2015. During this visit they have shown the Ozar Air Force station and demonstrated and provided the students flying experience in their helicopters.

#### ■ Abstracts of papers presented during July 2015:

##### A Fast and Memory Efficient Pattern Matching Using Deterministic Finite Automata Compression Approach

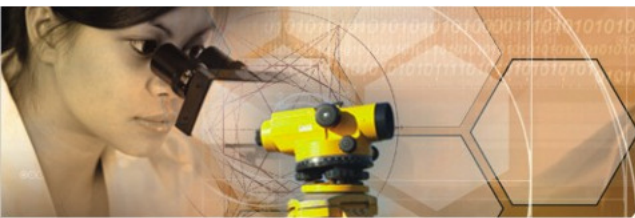
Prof. Utkarsha P. Pisolkar

(Presented in 4<sup>th</sup> International Conference on ‘Recent Trends in Engineering & Technology (ICRTET-2015) July 2-4, 2015 Organized by SNJB’s KBJ College of Engineering, Chandwad, Nashik, Maharashtra, India)

**Abstract:** Patten matching algorithm often uses Deterministic finite automaton to represent interested patterns. Regular expression representation of patterns is expressive and compact. Memory requirement of Deterministic finite automata is important factor in pattern matching algorithms. The method described in this paper reduces size of Aho-Corasick Deterministic finite automata which is generated from regular expressions and uses this compressed Deterministic finite automata in pattern matching process to speed up it. The compression approach uses bit reduction method which decreases the rules to only one rule for each state by representing all transitions to that state through single prefix.

**Keywords:** Pattern matching; Deterministic finite automata; Regular expression; Aho-Corasick; Bit reduction

continued on page 6



■ **Desulphurization of Diesel by using low cost Adsorbent**

Prof. G. B. Daware

(Published in International Journal of Innovative & Emerging Research in Engineering, July 2015, Vol. 2, Issue 6, pp. 69-73, ISSN 2394-5494)

**Abstract:** The removal of organo-sulphur compound from diesel fuel is an important aspect of all countries to reduce pollution by reducing the emission of toxic gases such as sulphur oxides and other polluted materials. One of the easy and fast methods to remove sulphur from diesel oil is adsorption desulphurization process. Adsorption desulphurization process of diesel fuel was proposed and examined. Local diesel fuel was treated by using natural adsorbents like Neem leaves powder by using batch process. The effect of contact time, dose, temperature, concentration was studied. The results at different parameters were discussed.

■ **Separation of D-Limonene and Pectin from Citrus Limetta peels and effect of pH of different acid as extracting medium on the yield of pectin**

Mr. Kushare L. S., Mr. Derle S. P., Prof. Shinde S. S., Mr. Khachane S. H., & Mr. Karnavat A. A.

(Published in Journal of Environmental Science, Computer Science and Engineering & Technology, June 2015- August 2015; Sec. A; Vol.4.No.3, 743-749. E-ISSN: 2278-179X)

**Abstract:** Citrus Limetta tree were found to be the most cultivated fruit tree in the world. Steam distillation technique has been developed to extract D-Limonene from citrus Limetta peels. The result is found that high percentage of yield of D-Limonene getting by steam distillation and there is no decomposition of residue. The analysis of D-Limonene done by Gas-Chromatography and Mass-Spectrometry (GC-MS), essential oil getting from citrus Limetta contains  $\alpha$ -pinene,  $\beta$ -pinene and D-Limonene as constituents. D-Limonene is listed in the code of Federal Regulation as generally recognized as safe (GRAS) for flavouring agent and can be found in food items such as fruit juice, soft drinks, ice cream and pudding. Pectin is structural heteropolysaccharides, commonly obtained from the peels of citrus fruits and prime commercial use as

a gelling agent and stabilizer in food industries. In the present study, pectin is extracted from the residue remain after steam distillation of peels. Pectin was extracted using alcohol precipitation method from the peels of the citrus Limetta.

■ **Poster Competition**

Winners of Poster Competition held in our institute as a tribute to late Bharat Ratna Dr. A. P. J. Abdul Kalam on the topic 'Vision 2020'

1) **First Winner** – Mr. Rajkalam Rathod and Mr. Tehal Dere. (Prize Rs. 1500/-).



2) **Second Winner** – Ms. Mayuri Rajole and Madhuri Tade (Prize Rs. 1000/-).



3) **Third Prize** – Ms. Manasi Talele and Ananya Nandi (Prize Rs. 750/-).



Prof. Dr. K. N. Nandurkar  
PRINCIPAL

