



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

**November & December 2015**

**Vol.:7  
Issue:11-12**

**■ Visit by Dr. Pravin Gedam to our College  
on 09/11/2015**

Dr. Pravin Gedam, Nashik Municipal Corporation Commissioner visited our institute on 9<sup>th</sup> November 2015. On this occasion he was felicitated by President of K. K. Wagh Education Society Hon. Shri. Balasaheb D. Wagh. Dr. Pravin Gedam gave the speech on 'Smart City'. For this function Vice president Hon. Shri. Kashinathdada Tarle, Trustee Hon. Shri. Chandevrao Holkar, Trustee Hon. Shri. D. S. Shinde, Trustee Hon. Shri. Sameer Wagh, Principal Dr. K. N. Nandurkar, all Principals of various institutes of K. K. Wagh Education Society and all staff were present. Dr. Praveen Gedam appreciated the development of K. K. Wagh Education Society and applead to all members to login on Smart City website and register your suggestions.



Felicitaton of Dr. Praveen Gedam gets felicitated by the hands of President Hon. Shri. Balasaheb Wagh

**■ Student Achievement In Sport**

Nirnita Nyahatkar of SE Chemical selected for Savitribai Phule Pune University athletics team. She was participant in triple jump and got bronze medal in Ashvameg Krida Mohotsav 2015 which was held at Swami Ramanand Tirth Marthwada University Nanded.



Nirnita Nehatkar (Triple Jump & Hurdles Winner)

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

- Principal Dr. K. N. Nandurkar attended one day workshop on 'New Education Policy' at Sydenham College of Commerce & Economics, Mumbai on 03/11/2015.
- E&TC Department Head Prof. Dr. D. M. Chandwadkar attended Faculty Development program, Organized by KPIT Technologies, Pune on 3<sup>rd</sup> November 2015. Similarly same department staffs Prof. K. P. Shinde & Prof. P. J. Monde have attended Workshop on "Research methodology "at SITRC, Nashik on 20 November 2015.
- Production Engineering Head Prof. Dr. S. B. Chandgude, and staff Prof. S. B. Gunjal, Prof. A. A. Sonawane, Prof. M. Y. Khalkar and Prof. Ms. N. K. Sonawane visited Vishwaniketan Institute of Management, Entrepreneurship and Engineering Technology, Khalapur for understanding the project based learning concept on 7 Nov. 2015.
- Chemical Engineering staff Prof. Sandeep Derle attended One day Workshop at Chemical Engineering department of IIT Bombay on "Alge Biotechnology" on 21 November 2015. Same department staff Prof. Tejmal Mahale attended four day

workshop at JNEC Aurangabad on “CHEMCAD- Process simulation” during 18 to 21 November 2015.

- MBA Staff Prof. Ms. Ketki Kashyap & Prof. Mrs. Saroj Dhake attended training ‘Yuvatimelava’ at Vishwas Lawns, Nashik on 21 November 2015.

#### ■ Training & Placement :

Name of Company	Name of the Dept.	No.of students selected
FinIQ	Computer Engg.	03
	IT	03
Kesoram Industries Ltd. Cement Division	MBA	01

#### ■ Books Purchased in Central Library : Nov. 2015

Sr.No.	Name of Dept.	Total No.of Books purchased
1	Chemical Engg.	43

#### ■ Abstracts of papers presented during Nov. 2015:

##### **Cutting fluid selection for cylindrical grinding of glass fiber reinforced plastic material**

Ms. A. B. Dokfode & Prof. Dr. P. J. Pawar  
(Presented paper at 43<sup>rd</sup> IRS International Conference at Pune on 8 November 2015)

**Abstract:** Glass fiber reinforced plastic materials are used in various applications such as aerospace, marine, construction, piping etc. due to its light weight and corrosion resistance properties. Various issues related to grinding of glass fiber reinforced plastic material are degradation, thermal damage, clogging, excessive noise, and vibration. This paper presents methodology to improve overall process performance of grinding of glass fiber reinforced plastic material. Various performance measures considered are material removal rate, temperature, surface roughness, and  $p^h$  values of different oils. Suitable cutting fluids such as synthetic oil, semi-synthetic oil, neat cutting oils of grade 32 and 40, and castor oil are considered as alternative. A well known multi-attribute decision making method known as data Envelopment analysis (DEA) is implemented for selection of compromise best solution. The study revealed that neat cutting oil of grade 32 is the most appropriate cutting fluid for grinding of glass fiber reinforced plastic material.

**Keywords-** Multi Attribute Decision Making Method, Data Envelopment Analysis; Cutting Fluid Selection;

#### ■ December 2015

##### **Industry and Academia leaders Round Table discussion on “Making Students Industry Ready”**

K. K. Wagh Institute of Engineering Education and Research in coordination with other colleges run by K. K. Wagh Education Society organized an Industry and Academia Leaders Round Table Discussion on “Making Students Industry ready”. This meet was held on 10<sup>th</sup> Dec. 2015 (Thursday) between 5.30PM to 9.30PM in Institute Campus. The objective of this meet was to get the inputs from industry leaders to develop a mechanism for making our students Industry ready. This meet was attended by 97 CEOs/Plant heads/Presidents of large and medium scale industries of in and around Nasik; and also Presidents, Vice Presidents and Secretaries of various industrial associations like CII, IEI, NIMA, AIMA etc. Participants were from industries like President of EPCOS; Vice President of Mahindra and Mahindra, Reliable Auto Tech, ABB and Jindal; Plant head of BOSCH and Kirloskar Oil; GM of Crompton greaves; CEO of Technocrats Control systems, Sula Wine and Summit Enterprises; MD of ThyssenKrupp and Positive Metering; Operation and HR Manger of Atlas Copco; Chief Managing Directors of Arees Software, Winjit Industries and Siemens; CMD and CEO of Spectrum Ethers Ltd; Deputy Director of Samsonite, Director of Harsh and Lodha Builders; CEO of Sharda Motors; GM of HAL and BSNL; Chief Manger of Bank of India; AGM of Siemens and CG; Executive Director of Sipra etc. Around 40 alumni along with Principals, HODs and senior staff members of Engineering College and three polytechnics run by K. K. Wagh Education Society have also attended the meet. The programme started with the registration and followed by welcome speech and presentation by Principal Dr. K. N. Nandurkar. He shared the details about K. K. Wagh Education Society and its institutes, facilities available with the institutes, strengths of the institutes, academic performance and achievements of students, research and consultancy works carried out by institutes and the placement statistics. This presentation was followed by welcome of the trustees by principal and CEOs by group leaders at the round tables. Roundtable discussion started at 6.45PM and ended at 7.30PM. After the round table

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discussion one member from each table around 14 CEOs presented the outcomes/conclusion of the discussion. Mr. H. Aher, Vice President of M&M and Mr. Samir Deosthali CEO of Spectrum Ethers summarized the entire discussions. Vote of thanks was proposed by TPO Dr. Pramod Shahabadkar. The programme was very well appreciated by the CEOs and they have assured all the cooperation in making students industry ready. The conclusions of the round table discussion were viewed with three perspectives: Skills sets required for making Students Industry Ready; Concerns of the Industries; Mechanism for Making Students Industry Ready. The conclusions are summarized under these three categories and will be used by the institute for developing the Mechanism for making the students ready. Hon. Shri. Balasaheb Wagh (President of K. K. Wagh Education Society), Vice President Hon. Shri. Kashinathdada Tarle, Trustee Hon. Shri. Changdevdada Holkar, Trustee Hon. Shri. Sameer Wagh, all Principals of various institutes of K. K. Wagh Education Society, Heads of departments and staff were present for the meet.



CEO Meet: A view of Round Table Discussion



### Online workshop on 'Engineering Physics'

Online workshop on Engineering Physics was conducted in the institute in association with IIT Bombay during 8-18<sup>th</sup> Dec. 2015. This Workshop covered various topics of physics i.e. Relativity, Optics, Superconductivity etc. A special online lecture on topic "Neutrino Oscillation" was

conducted by S. Umashankar during this workshop. Total Sixteen Participants from Engineering Colleges and Polytechnics Colleges of Nashik district were attended the workshop.



Photograph with participants of online course on 'Engineering Physics'

### NSS special Winter Camp-2015

NSS special Winter Camp-2015 was held during 19<sup>th</sup> to 25<sup>th</sup> Dec. 2015 at Vilholi, Tal. Nashik. The inauguration was done on 19<sup>th</sup> Dec. 2015. Trustee Hon. Shri. D. S. Shinde, Principal Dr. K. N. Nandurkar, Shri. Bajirao Gaikawad (Sarpanch) of Vilholi village and NSS programme officer Prof. N. B. Gurule were present on this occasion. Total 125 volunteers (Boys: 75 and Girls: 50) were actively participated in this camp. Volunteers prepared a Jogging track of 840m through shramdan. Other activities like blood donation, health checkup, tree plantation, cleanliness, Swachhata Rally, Pathnatya, Cultural Events, Rangoli and other competitions were organized. Volunteers made an appeal to villagers to donate one rupee for education, there by Rs.2100/- and 156 books were collected. NSS in association with Grampanchayat (Vilholi) had stated 'Vachanalaya and Abhyasika' in Grampanchayat building. NSS volunteers gifted 789 Prabodhan calendars, 50 Dust bins and 300 Tulshi saplings to villagers. A series of expert talk was arranged during the camp period. Well-known experts like: Shri. Ravindra Pardeshi, Shri. Rushikesh Ayachit, Dr. Shekhar Joshi, Dr. P. V. Puri, Shri. Mukteshwar Munshettiwar, Dr. Aditi Waghmare, Dr. Shushama Dugad, Shri. Prashant Waghmare and Shri. Anil Kute made their valuable presence during the camp. Shri. Bajirao Gaikawad (Sarpanch) and his team gave support and kind cooperation to whole NSS team.



Principal Dr. K. N. Nandurkar addressing to NSS volunteers at Inauguration of NSS special Winter Camp

**Alumni Meet for Alumni Batch 1994-95**

A special focus alumni meet for Electronics Engineering and Computer Engineering departments for the batch 1994-95 was organized on 26<sup>th</sup> Dec. 2015 at our Institute. Hon. Balasaheb Wagh (President, K. K. Wagh Education Society), Hon. Shri. Sameer B. Wagh (Trustee, K. K. Wagh Education Society), Mr. Divyesh Desai (Associate VP, KPIT Technologies Ltd.) were guest of honour. Mr. Urvish Joshi (Director, TARABA Tech Solution Pvt. Ltd., Nashik) delivered the welcome speech. Principal Dr. K. N. Nandurkar presented information of recent developments and various activities carried out by the institute. Dr. S. S. Sane (Head, Computer Engineering Department) shared his views about Institute Alumni interaction. Alumni gathered for this meet shared their memories while studying at K. K. Wagh College of Engineering and also discussed on various aspects and gave suggestions for more effective working of Alumni association as well as Institute. On this occasion, Hon. Shri. Balasaheb Wagh guided alumni and faculty members.



Guidance by Hon. Balasaheb Wagh



View of Alumni members present for the meet

**CONGRATULATION**



Mrs. Snehal Kamalapur, Associate Professor of Computer Engineering Department received Ph.D. award from Savitribai Phule Pune University. Her topic was "Algorithmic Impact Analysis of Strategies and Parameters Variation on Particle Swarm Optimization" under the guidance of Prof. Dr. Mrs. Varsha Patil.

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

- Computer engineering department organized an expert lecture of Software Engineering by Prof. S. A. Kelkar on 18<sup>th</sup> and 19<sup>th</sup> Dec. 2015 and an expert Lecture on IOT by Dr. Tiwari on 30<sup>th</sup> Dec. 2015.
- E&TC Engineering Department organized Workshop on "PCB Design" for TE Electronics by Prof. Shariq Ansari on 31<sup>st</sup> Dec. 2015 and Guest lecture on "How to face Rishabh instruments drive" for BE E&TC by Miss. Jyoti Thoke (Alumni) working in Rishabh Instruments, Nashik on 28<sup>th</sup> Dec. 2015.
- Chemical Engineering department organized an expert talk on "Scope of Chemical Engineering and expectations of industries" by Mr. Tushar Mahale (Alumnus of dept.) for students on 26<sup>th</sup> Dec. 2015.
- Information Technology department organized a session on "Introduction to Functional Programming" by Mr. Vaibhav Kulkarni (M. Tech., Computer Science & Engineering, I.I.T., Bombay) on 21<sup>st</sup> Dec. 2015.

**Seminars/Workshop/Training attended by Staff:**

- Computer Engineering Department staff Prof. K. P. Birla attended two week workshop at MITCOE, Pune during 15<sup>th</sup> to 24<sup>th</sup> Dec. 2015. Same department staff Prof. D. M. Kanade attended two day workshop on "Software

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design methodology and Testing” at Bhivarabai Sawant College of Engineering and Research, Narhe, Pune on 11<sup>th</sup> and 12<sup>th</sup> Dec. 2015. Also same department staff Prof. A. V. Tavare attended five day workshop on ‘Oracle’ at KPIT, Pune during 30<sup>th</sup> Nov. to 4<sup>th</sup> Dec. 2015.

- E&TC Department Staff Prof. Nikhil M. Bhujbal, Prof. Amrit Pal Kaur, Prof. C. S. Sarode, Prof. M. J. Bonde and Prof. Pooja Thakare have attended five day STTP on “Embedded Linux & Android Application development” at SITRC, Nashik during 1<sup>st</sup> to 5<sup>th</sup> Dec. 2015. Prof. V. R. Lele, Prof. Nikhil M. Bhujbal attended EIS technova event at TCS Hinjewadi, Pune on 11<sup>th</sup> Dec. 2015. Prof. Kiran Navale and Mr. Keshav Dhikale are attended Workshop on “Scientific python software” at IIT, Bombay during 14<sup>th</sup> to 16<sup>th</sup> Dec. 2015. Prof. Nikhil M. Bhujbal attended FDP at KPIT, Pune during 20<sup>th</sup> to 24<sup>th</sup> Dec. 2015. Similarly Prof. Dr. M. R. Admane (Satone) and Prof. Ms. M. P. Joshi attended Faculty Development Programme on “AutoSAR” organized by KPIT Technologies, Pune, during 28<sup>th</sup> to 30<sup>th</sup> Dec. 2015.
- Electrical engineering staff Prof. A. M. Jain attended Workshop of TRA International in association with NIESBUD during 12<sup>th</sup> to 13<sup>th</sup> Dec. 2015. Prof. S. S. Dhamal & Prof. S. S. Khairnar attended one week STTP at SVNIT, Surat on the topic “Simulation and modeling in Power System Engineering” from 28<sup>th</sup> Dec. 2015 to 1<sup>st</sup> Jan. 2016. Same department staff Prof. Mrs. T. N. Date attended one day workshop on “Innovation” at NEC, Ambad, Nashik on 18<sup>th</sup> Dec. 2015. Also same department staff Prof. A. M. Shewale attended workshop on “Implementation of Power Electronics Systems” at SVNIT, Surat during 7<sup>th</sup> to 11<sup>th</sup> Dec. 2015.
- Chemical Engineering staff Prof. V. N. Mawal attended One Week STTP on ‘New Trends in Industrial Waste Disposal and Management’ sponsored by TEQIP II and organized by Department of Chemical Engineering, SGGS E&T, Nanded during 17<sup>th</sup> to 21<sup>st</sup> Dec. 2015. Same department staff Prof M. K. Ahire attended workshop on “Attainable Region Approach” at M.A.E. Alandi, Pune during 3<sup>rd</sup> to 4<sup>th</sup> Dec. 2015. Also Prof. P. P. Joshi of same department attended workshop on “Recent trends in Energy research” organized by Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad from 7<sup>th</sup> to 11<sup>th</sup> Dec. 2015.
- IT department staff Prof. U. K. Gaikwad

attended five days FDP on “Overview of Oracle Ecosystem” organized by KPIT Technologies, Pune on 30<sup>th</sup> Nov. 15 to 4<sup>th</sup> Dec. 2015. Prof. Mrs. P. S. Vispute of same department attended “CSI-2015” 50<sup>th</sup> Golden Jubilee Annual Convention on “Digital Life” at New Delhi during 2<sup>nd</sup> Dec. 2015 to 5<sup>th</sup> Dec. 2015. Prof. Ms. N. P. Rane and Prof. Ms. U. P. Pisolkar of same department attended one day workshop on “Implementation of Elective III of BE IT: 2012 Course” organized by Sinhgad College of Engineering, Pune & BOS, SPPU, Pune on 18<sup>th</sup> Dec. 2015. Same department staff Prof. K. N. Somwanshi and Prof. Ms. N. P. Rane attended one day workshop on “Implementation of Software Lab-V of BE IT: 2012 Course” organized by Sinhgad College of Engineering, Pune & BOS, SPPU, Pune on 19<sup>th</sup> Dec. 2015.

- MCA Department staff Prof. V. C. Bagal has attended Workshop on ‘Principles of Research Methods’ organized by JNEC, Aurangabad from 28<sup>th</sup> to 29<sup>th</sup> Dec. 2015.

#### ■ Sport Activities

Students of the institute participated in various sport like Cricket, Weight lifting, Power lifting, Best Physics and Rowing organized by Arts, Science and Commerce College Chandwad. Mr. Sagar Bhalerao and Avishekh Gangopadhyay are selected for best physic. In cricket, Chinmay Kushare and Tejas Goverdhane are selected for inter-group.

#### ■ Training & Placement :

Name of Company	Name of the Dept.	No.of students selected
Winjit Technologies	Computer Engg.	05
	MCA	03
Aress Software	Computer Engg.	04
	IT	02
	MCA	06
ESPL	Computer Engg.	02
	IT	02
Digi-Shell Infotech Pvt., Ltd., Aurangabad	MCA	06
FinIQ Consulting Pvt.,Ltd.,Pune	MCA	02
Winfostar Technology Pvt., Ltd., Nashik	MCA	02
Money Capital Height Research Investment Advisers Pvt., Ltd.	MBA	09

**CONGRATULATION** Mr. Prashant Bhende student of BE Computer Engg. awarded by “Highest Committed Student Branch Activist Award” for year 2014-15. Prof. A. V. Kolapkar staff of Computer Engg. awarded by “Longest Continuous SBC Award”. Prof. A. V. Kolapkar received award from President, CSI Prof. Bipin V. Mehta. The award ceremony was held at Bharti Vidyapeeth, New Delhi on 5<sup>th</sup> Dec. 2015. Prof. Bipin M. Mehta, Hon. Secretary Mr. Sanjay Mohapatra, Treasurer Mr. R. K. Vyas and Prof. Dr. S. S. Sane, Regional Vice President, Maharashtra and Goa were Present during ceremony.



#### ■ Other Achievements

- Principal Dr. K. N. Nandurkar was invited as Chief Guest for inauguration of NSS Camp of K. K. Wagh Arts, Commerce, Science and Computer Science College at Bableshtar site on 21/12/2015.

#### ■ Abstracts of papers presented during Dec. 2015:

##### **Dimensionality Reduction using Clustering Techniques**

Snehal D. Borase & Prof. Satish S. Banait

(Presented a paper in International Journal of Advance Research in Science Management and Technology, Vol. 1, Issue 7, December 2015)

**Abstract:** Clustering is often an activity involving discovering homogeneous sets of the particular studied physical objects. Recently, numerous analysts use a considerable desire for establishing clustering algorithms. Clustering plays a significant position in lots of info mining apps including, computational biology, spatial repository apps, data collection, word mining, CRM, healthcare diagnostics, controlled info query, promoting, and also net research. "Big data" is actually speaking about terabytes and also pet bytes involving info. Major info is actually complicated because of its a few essential traits including quantity, speed, range, variability and also complication. Thus massive info is actually difficult to address utilizing typical resources and also strategies. You will find so many issues inside clustering strategies, therefore a few of the issues is actually how you can procedure the results and also massive info is actually clustered inside scaled-down data format, Clustering formula are afflicted by security issue, set involving sole and also numerous degree clustering. A crucial concern inside clustering is actually that individuals do not have sooner know-how relating to info. Likewise number of feedback boundaries including variety of most adjacent neighbours, variety of clusters inside these types of algorithms creates clustering some sort of complicated activity. The leading aim is to review and also review the present clustering algorithms, effect involving dimensionality lessening and also working with outliers.

**Keywords:** Clustering algorithms, Big data, Nearest neighbours, Outliers.

##### ■ Comparison of 28 days concrete compressive strengths by accelerated curing and normal moist curing

Prof Abhijit J. Pawar

(Presented paper at Osmania University

Hyderabad during 17 to 25 December 2015)

**Abstract:** Quality of concrete is calculated in terms of its 28 days compressive strength. This period is too long for either control of concrete construction or applying timely corrective measures particularly in today's fast construction practices. Curing of concrete and its gain of strength can be expedited by raising the temperature of curing, thereby speeding up of the hydration reaction. Two methods of accelerated curing – warm water method and boiling water method have been covered by IS 9013. The objective of this study is to compare 28 days compressive strength of concrete with accelerated curing methods developed by IS 9013: 2004. One more method of curing in which temperature was increased gradually was also attempted. In order to achieve these, total 48 samples of two different mix proportions were cast and cured by normal water curing for 28 days, and by accelerated curing methods. The reliability of these accelerated curing methods was checked.

##### ■ Influence of length to diameter ratio of hole on performance of film cooling for single and double row of injection

Prof. Sanjay D. Barahate & Dr. R. P. Vedula

(Presented paper at LPSC, ISRO, Thiruvananthapuram (Trivendrum), Kerala during 17<sup>th</sup> to 19<sup>th</sup> Dec. 2015.)

**Abstract:** The influence of length to diameter ratio of film coolant injection holes over a flat surface on the local effectiveness ( $\eta$ ) and heat transfer coefficient are reported in this study for single and two staggered rows of simple cylindrical injection holes. The secondary stream is injected at 35° to the mainstream flow. The two rows are separated by 2.6 hole diameters in the axial direction and for each row, the holes are separated by 3 hole diameters. The blowing ratio (M) is varied from 0.3 to 2. Two length to diameter (L/d) ratios of holes of 2.56 and 7.5 are studied. The geometry with L/d of 7.5 has upto 20 % higher local effectiveness compared to holes with L/d of 2.56 for double row injection. The film cooling performance in terms of the Net Heat Flux Reduction (NHFR) is found to be 20 % better for the L/d of 7.5 than L/d of 2.56.

**Keywords:** film cooling, heat transfer characteristics, flat plate, NHFR

Prof. Dr. K. N. Nandurkar  
PRINCIPAL

