

■ Birthday of President Hon. Shri. Balasaheb Wagh



President Hon. Shri. Balasaheb Wagh gets felicitated on his Birthday on 19th Oct. 2014 at the hands of Principal Dr. K. N. Nandurkar.

On 19th October 2014, the 82nd Birthday of Hon. President Shri. Balasaheb Wagh was celebrated with full honour. On this occasion Principal Dr. K. N. Nandurkar felicitated Shri. Balasaheb Wagh. Heads of various departments and staff members wished the President on this occasion.

■ Congratulations



Principal Dr. K. N. Nandurkar receiving the 'Engineering Achievement' Award

Principal Dr. K. N. Nandurkar received the 'Engineering Achievement' award by the Institute of Engineers (I), Nashik Local Centre at Kalidas Kalamandir, Nashik on 11th Oct. 2014. The chief guest of the function was Mr. Subash Dandekar, Ex. Chairman of Camlin Ltd. and Guest of honor was Dr. M. G. Korgaonkar, Director General, NICMAR Pune.

This award was given for the contribution in the field of technical education and work done for upliftment of Engineering Profession.

■ Lecture by Mr. Atul Deolgaonkar



Expert lecture by Mr. Atul Deolgaonkar

On 9th October 2014, the lecture of Mr. Atul Deolgaonkar, an Environmental Expert was organized by our Society at Shankaracharya

Sankul, Nashik. The topic was "Environment Change and Global Warming". On this occasion President of K. K. Wagh Education Society Shri. Balasaheb Wagh, Vice president Hon. Shri. Kashinathdada Tarle, Hon. Trustee Shri. Changdevrao Holkar, Principal Dr. K. N. Nandurkar, Principals and staff of various Institutes of K. K. Wagh Education Society were present. On the same day, Mr. Atul Deolgaonkar visited the Institute and had interaction with the Principals and HODs various departments.

■ Local Managing Committee Meeting



Meeting of Local Managing Committee of the Institute on 11th Oct. 2014

Meeting of Local Managing Committee of the Institute was held in the Central Office of K. K. Wagh Education Society on 11th Oct. 2014. Dr. Omprakash Kulkarni, Prof. Suraj Jhawar was present along with Hon. Shri. Balasaheb Wagh, President, K. K. Wagh Education Society, other Hon. Trustees and elected members.

“IBM the Great Mind Challenge” Project Competition

Mr. Mujtaba Ahmed, Mr. Shah Imran and Miss. Snehal Gaikwad of B.E. Computer of our Institute received 1st prize of Rs. 1 Lac, certificate and trophy in National Level “IBM the Great Mind Challenge” project competition. The team developed Mobile App “Bit Philes”. The felicitation ceremony was held at CMR Institutes Bangalore on 15th Oct. 2014. In all 24,000 teams from 850 Colleges all over India participated in the same. The theme for IBM TGMC was Mobility. Students were supposed to submit mobile apps. Prof. Kushal Birla and Prof. Anand Kolapkar guided the students. President Hon. Shri. Balasaheb Wagh, Principal Dr. K. N. Nandurkar, Head Computer Dept. Prof. Dr. S. S. Sane and all staff members appreciated the students.

Swachh Bharat Abhiyan by NSS Volunteers

On 2nd Oct. 2014 NSS had organized “Swachh Bharat Abhiyan” and “Swachhata Shapath Program” at Main Porch of our institute. In this activity NSS volunteers celebrated Mahatma Gandhi Jayanti by offering flowers and prayer to Bapuji. Then all NSS volunteers took Swachhata Shapath. NSS Program Officers addressed to all regarding the main objectives of this activity and appealed to all that let us begin this activity from our self by cleaning our College campus. Then all NSS volunteers formed seven groups and cleaned the college campus. After this plastic, metal scrap and paper/other wastes were separated and collected at one predefined location. Then NSS Program Officers declared “Essay and Slogan competition” on the topic “Swachh Bharat Abhiyan” and appealed the students to participate in this.



Swachh Bharat Abhiyan” and “Swachhata Shapath Program” in our Institute campus

Certificate distribution for MBA Students for ‘Advanced Excel’ Workshop

Certificate distribution program was organized on 12th October 2014 for MBA students for ‘Advanced Excel’ course conducted by Mr. Ashok Sindkar, Advanced Excel trainer. The Chief Guest was Principal Dr. K. N. Nandurkar. The workshop was conducted during 27-29th September 2014.

Lecture by Mr. Shejwalkar

An expert lecture by Mr. Shejwalkar was organized in the Institute on 4th October 2014 on Vivekanand Shila Smarak by Eknathji Ranade. On this occasion Mr. Shejwalkar was felicitated by President Hon. Shri. Balasaheb Wagh. For this lecture Principal Dr. K. N. Nandurkar, Heads of departments and staff were present.

Training & Placement :

Name of Company	Name of the Dept.	No. of students selected
KPIT Technologies	Computer Engg.	14
	IT	04
	MCA	01
L & T InfoTech	Computer Engg.	08
	IT	02
	MCA	02
	E&TC	04
	Electronics Engg.	02
	ME-Computers	01
TCS	Computer Engg.	11
	Mechanical Engg.	03
	E&TC	04
NVIDIA	ME-Computers	02

Books Purchased in Central Library : Oct. 2014

Sr.No.	Name of Dept.	Total No. of Books purchased
1	E & TC	62
2	Production Engg.	91
3	Mechanical Engg.	93

Sport Activities

- Gymkhana Department of our Institute organized Team-Selection schedule for following games Athletics, Shooting, Lawn tennis, Cricket, Football, Soft Ball (boys) and started their morning and evening session practice.
- Inter collegiate Football (boys) tournament organized by our Institute on 6, 7, 8th October 2014. Tournament has won by LVH Panchvati College. Our Institute students Lawn tennis Girls(02), Soft Ball one player and two players of cricket team are selected for Nashik zone inter zonal tournaments.
- Prof T. K. Kandekar, Physical director was the team manager of Interzonal football Nashik zone team and went with the team to Ahmednagar for the matches.



Inauguration of an Inter Collegiate Football (boys) tournament

continued on page 3

- The athletics tournament was held at Bytco College Nashik road on 8th and 9th October 2014 and fencing was held at KKW Chandori College on 10th October 2014. The students of our Institute won in the individual events and have been qualified for the next inter zonal tournament.



Principal & Physical Director along with students who won in individual events

■ Working model of CVT



Working model of CVT

The students of mechanical department ,T. E., Div - A , Nachiket Bhargave, Mayank Balerao and Kalpesh baviskar have made a working model of continuous variable transmission(C.V.T) which consists of two conical pulleys with non standard belt, brackets supports, couplings, bearings and a lathe drive.

This apparatus is used to perform one of the experiments from the subject Theory of Machines (2012 pattern) that determines the speeds range of C.V.T.. As the two pulleys change their radii relative to one another they create an infinite number of gear ratios from low to high and everything in between. When the pitch radius is small on the driving pulley and large on driven pulley then the rotational speed of driven pulley decreases , resulting in lower speed and vice-versa. This in house manufactured apparatus has lead to an enhancement of the laboratory at negligible cost against its market value of around Rs.3000.

The students have received the appreciation from Principal, Prof. (Dr.) K.N.Nandurkar, Prof. M. B. Murugkar (Head - Mechanical dept.), Prof. A. V. Karanjkar (Subject Teacher) with support from Mr. S. M. Gaidhani (workshop In-charge) and Mr. P. K. More (Sr.Instructor) for manufacturing.

■ Congratulations



Prof. Sunita Patil (Ugale), Associate Professor of E & TC department received Ph.D. award from S. V. National Institute of Technology, Surat, Gujrat. Her topic was "Design, formation and characterization of optical fiber gratings with applications" under the guidance of Dr. Vivekanand Mishra.

■ Congratulations



Prof. S. N. Kadlag, Head of Science & Maths Department has successfully completed his Ph. D. on topic titled, "Integral formula in Riemannian geometry and their application" under the supervision of Dr. S. B. Gaikwad from Savitribai Phule Pune University, Pune

■ Congratulations

IBM (India) Ltd., a well known multi-national IT Giant has announced "IBM COE Mentor - 2014" award to Prof. Dr. S. S. Sane, Head of Computer Engineering for motivating the students to participate in various academic Initiatives through IBM Center of Excellence (COE). IBM has set up COEs at selected Colleges in India and the Institute's COE was established in the year 2010.

■ Other Achievements

- Principal Dr. K. N. Nandurkar was invited as session chair during 3 days National Conference on Total Quality Management in Education on 31/10/2014 at Gokhale Education Society's Bytco College, Nashik Road.
- Prof. Dr. B. E. Kushare, Head, Electrical Engineering department offered Electrical consultancy services to Electrical Design of Kosso India Pvt., Ltd., Nashik and Bosch Ltd., Nashik. He also offered Energy Audit at BOSCH, BKCL office Mumbai, HT Media Mumbai, Dainik Bhaskar, Ahamadabad, DB Press Surat & Illumination Audit, Bosch Ltd., Nashik.

NOVEMBER 2014

■ Visit by Hon. W. N. Gade, Vice Chancellor, Savitribai Phule Pune University



Felicitation of Hon. Vice Chancellor

Hon. Shri. W. N. Gade, Vice Chancellor Savitribai Phule Pune University along with all members of Management Council visited our Institute on 18th Nov. 2014. He was informed about the problems faced by students and staff of Engineering Faculty.

■ Ramanujan Mathematical Competition



The National level Srinivasa Ramanujan Mathematical competition was held in K. K. Wagh Institute of Engineering Education & Research, Nashik on 1st November 2014. Total 20 students and 9 staff members appeared for this exam. Test papers for staff and students are separately sent by ISTE, New Delhi. The test was conducted between 2.00pm to 4.00pm all over India. After successful conduction of the test depending on the solution provided by the ISTE, New Delhi the papers were evaluated and first five toppers from both categories are selected for next round. Prof. Dr. K. N. Nandurkar reviewed the event and motivated the students for this competition. ISTE Student Chapter Coordinator Prof. Mrs. Prajakta Vispute made all necessary arrangements for conducting the test.

■ Governing Body Meeting



Governing Body Meeting

On 28th Nov. 2014 governing body meeting of the Institute was held in Central Office under the chairmanship of Hon. Shri. Balasaheb D. Wagh, President, K. K. Wagh Education Society Nashik. Dr. D. R. Nandanwar, Joint Director, Technical Education, Mr. Shrikant R. Karode, Senior Consultant and other members were present for the meeting.

■ Visit by Hon. Mr. Madan Patil (Ex. Minister)



Hon. Mr. Madan Patil (Ex Minister, Government of Maharashtra) visited the Institute on 7th Nov. 2014 along with his family members. Hon. Shri. C. B. Holkar, Trustee welcomed him and showed the facilities in both the campuses. Mr. Madan Patil appreciated the progress done by K. K. Wagh Education Society.

continued on page 5

Sport Activities

- Inter collegiate Women Cricket tournament was organized by our Institute on 18th Nov. 2014. The tournament was won by HPT College Nashik.
- From our Institute one Cricket player, one Athletics, two Squash and four Fencing players are selected for Nashik zone inter zonal tournaments.
- Medical test for first year student was conducted.
- Prof. T. K. Kandekar was the Coach of YCMOU Nashik Basketball team for Ashvamegh Inter University Krida Mohotsava. Seven students are selected for Interzonal & five students selected for Interuniversity level from our Institute.



Inauguration of Women Cricket tournament

Industrial Visits Organized For Students:

Date	Class	Name of Company
08/11/2014	FY MCA	Alphasoft Infotek Pvt. Ltd., Nashik
12/11/2014	ME Control Systems (FY)	Bhavesh Polymer
12/11/2014	ME Power Systems (FY)	Bhavesh Polymer

Training & Placement :

Name of Company	Name of the Dept.	No.of students selected
FIN IQ	Computer Engg.	04
ETERNUS Solutions		01
FIN IQ	Information Technology	07
Zabuza Labs, Nashik		02
Corebiz Technology Solution, Nashik	MCA	01
Web Tech Developer's Pvt., Ltd., Pune		01

Other Achievements

- Prof. Dr. K. N. Nandurkar and Prof. Dr. P. K. Shahabdar attended the meeting with Ms. Kilmeny Vinckers, Dy. Counsel General of Australia, Mumbai at Hotel Gateway, Nashik on 12/11/2014. It was organized by CII Nashik Chapter to explore the possibility of interaction with Australian Industries and Universities.
- Prof. Dr. B. E. Kushare, Head of Electrical Engineering department visited ISKRA, R & D

Center and Manufacturing unit during 17.11.2014 to 21.11.2014 at Slovenia. He also offered Electrical consultancy to Bosch Chassis Systems, Chakan, Bosch Nashik, MMDC Nashik, Bosch Nashik, Kosso India Pvt., .Ltd., DB Corporation Jaipur office, DB Corporation Jodhpur Press, Sirhind press, DB corporation Chandigarh office, DB corporation Hamira Press, DB corporation Gwalior, DB corporation Indore, DB corporation Indore office and DB corporation Bhopal Press.

- Prof. Dr. K. N. Nandurkar was invited as Chief Guest for the inauguration of Two Weeks Personality Development Programme for Primary Teachers by Kendriya Vidyalaya, Nehru Nagar, Nashik Road on Sunday 23rd Nov. 2014.

Abstracts of papers presented during Nov. 2014:

Temporal Link Prediction using Neighborhood Integrated Matrix Factorization

Prof. S. S. Banait

(Published in International Journal of Electronics, Communication & Soft Computing Science and Engineering, ISSN: 2277-9477, Volume 3, Issue 6)

Abstract: The ability to predict links among data objects is central to many data mining tasks such as social network, business analytics, and recommendation system. Link Mining and temporal link prediction is emerging trend in recent years. Link mining deals with heterogeneous and homogeneous data sources that generates link data and this link data provides scope for collaborative filtering tasks, which is a prime requirement in recommending systems and a significant role is played in predictive analytics .The proposed introduction of Neighbourhood Integrated Matrix Factorization method improves the accuracy of missing value predictions as pre-heuristic task of Neighbourhood Similarity Computation which produces object profiles. In general, link prediction problem is modelled as, given link data for times 1 through T, the task is to predict links at time T+1, And if data has underlying periodic structure, up to what extend predictions can be made in future time T+2,T+3.....T+k.(k>0).

Keywords: Collaborative Filtering, Neighborhood Integrated Matrix Factorization, Predictive Analytics., Temporal link prediction.



A survey on Oversampling Techniques for Imbalanced Learning

Prof. S. S. Banait

(Published in International Journal of Application or Innovation in Engineering & Management (IJAIEM) ISSN 2319 – 4847, Vol. 3, Issue 10, 2014)

Abstract: In machine learning and data mining data imbalance is a key source of performance degradation. Key reason behind this degradation is that all available algorithms assume a balanced class distribution for learning. In many real-world applications, the data available for learning are highly imbalanced. Imbalanced data means where one class severely out-represent another class. In these scenarios, the learning algorithms tend to bias toward the less important negative class or majority class with larger instances. Although, there is no single best technique to deal with imbalance problems, sampling techniques have been shown to be very successful in recent years. To address imbalanced learning issue oversampling of minority class is done. There are various Oversampling techniques which can be used to reestablish the class balance. Oversampling method is a data level method. The main advantage of data level methods is that they are self-sufficient. The methods at data level modify the distribution of the imbalanced datasets, and then these modified i.e. balanced datasets are provided to the algorithm to improve the Imbalanced learning.

Keywords: Classification, Imbalanced data, learning, oversampling

Earthquake Response Mitigation of RC Building Using Friction Pendulum System

Mr. Sudarshan B. Sanap, Dr. Pradip D. Jadhao, Dr. S. M. Dumne

(Published in International Journal, American Journal of Engineering Research (AJER)-ISSN: 2320-0936, Vol. 03, Issue 11, pp 30-37)

Abstract: Earthquake hazard mitigation is very sensitive issue now a day's therefore researchers are struggling for optimum solution since last few decades. Base isolation technique is one of the effective techniques which give better results seismic hazard mitigation under earthquake excitation particularly in building structures, bridges and water tanks etc. Base isolation reduces not only the effects of earthquake acceleration to be transmitted to the structures, but also protects the content of building while simultaneous model as shear type lumped mass having single degrees-of-freedom at each floor level. This building is isolated by Friction

Pendulum System of sliding base isolated type and excited under unidirectional ground motion due to four realistic earthquakes namely, Imperial Valley, 1940, Loma Prieta, 1989, Kobe, 1995 and Northridge, 1994. The governing equation of motion for the building solved using Newmarks method whereas isolation system is modelled by Wen's model. The effectiveness of proposed isolation system and building response has been evaluated by coding in MATLAB 8.2 computing software. Further, effectiveness of isolation system is also studied in terms of peak responses of building. The results obtained from the study underscored that Friction Pendulum System works effectively in limiting the building responses during excitation due to earthquakes.

Seismic Response Analysis of Isolated Building with Resilient Friction Base Isolator

Sudarshan B. Sanap, Dr. Pradip D. Jadhao, Dr. S. M. Dumne

(Published in International Journal of Scientific & Engineering Research, Vol. 5, Issue 11, November 2014, ISSN 2229-5518)

Abstract: Seismic hazard mitigation is very sensitive issue now a day's therefore researchers are struggling for optimum solution since last few decades. Base isolation technique is one of the effective techniques which give better results in seismic hazard mitigation under earthquake excitation particularly in building structures, bridges and water tanks etc. Base isolation reduces not only the effects of earthquake acceleration to be transmitted to the structures, but also protects the content of building in addition to supporting the mass of structure. This study proposed a realistic ten storey RC building modeled as shear type lumped mass having single degrees-of-freedom at each floor level. This building is isolated by Resilient Friction Base isolation system of sliding base isolated type and excited under unidirectional ground motion due to four realistic earthquakes namely, Imperial Valley, 1940, Loma Prieta, 1989, Kobe, 1995 and Northridge, 1994. The governing equation of motion for the building has been solved using Newmarks method whereas isolation system is modelled by Wen's model. The effectiveness of proposed isolation system and building response has been evaluated by coding in MATLAB 8.2 computing software. Further, effectiveness of isolation system is also studied in terms of peak responses of building. The results obtained from the study underscored that Resilient Base Isolation System works effectively in limiting the building responses during excitation due to earthquakes.

Prof. Dr. K. N. Nandurkar
PRINCIPAL

