



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

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■ **Hon. Chief Minister's Visit to the Institute**

Hon. Chief Minister of Maharashtra State, Shri. Prithviraj Chavan visited the Institute on 17th August 2013. On this occasion Hon. Shri. Balasaheb D. Wagh was felicitated by Hon. Chief Minister for completing his Sahastrachandradarshan by giving him Sanmanpatra and memento. Hon. Mrs. Shakuntalatai Balasaheb Wagh was also felicitated for her dedicated support to Hon. Bhau in all his endeavors. On this occasion the book 'Gaurav Granth of Shri. Balasaheb Wagh' was released by the Chief Minister and distributed to all dignitaries and the entire audience present. For this function Hon. Chhaganrao Bhujbal, Public Works Minister, Govt. of Maharashtra, Hon. Balasaheb Thorat, Revenue Minister, Govt. of Maharashtra, Ex. Minister of Govt. of Maharashtra Shri. Shankarrao Kolhe, Shri. D. S. Aher, NDMVP Sarchintnis Hon. Nilimatai Pawar, MLC Shri. Sudhir Tambe and Sau. Tambe and many MLAs, MLCs and MPs of Nashik District were present. Hon. Chief Minister appreciated the development of K. K. Wagh Education Society and its contribution for the social development. Overall programme was a grand success.



Felicitation of Hon. Shri. Balasaheb Wagh

■ **State Level Workshop on
"Research Methodology"**

A two days State Level workshop on "Research Methodology" was organized by Computer Engineering Department with CSI Student Branch on 23-24th August 2013. Dr. Vivek Bobade, Principal Dr. Keshav Nandurkar, Dr. Shashikant Kelkar, Dr. Mrunal Deshpande and Dr. M. B. Kulkarni guided the students on What Research? and How to do Research?. Post Graduate students, Ph. D. students and other staff members who were interested in Research Methodology from various Institutes attended the workshop. Prof. Dr. S. S. Sane, Head of Computer Engineering explained the aim of the workshop. This workshop received grant of Rs. 25, 000/- from University of Pune.



Glimpses of a two days State Level workshop on "Research Methodology"

■ **GATE Forum Seminar**

GATE Forum Seminar was conducted by Mr. Krishna Udugu on 8th August 13 for TE Computer Engineering students. He guided about various post graduation programs and how GATE valid score card is helpful in getting admission to the PG Courses in the renowned institute of India like IIT's & NIT's. Then he guided about the syllabus and exam pattern of CS Course and also told students about

time management and techniques to crack GATE. Topper of GATE Forum of 2012 batch also shared his views and experience about GATE exam and future opportunities.



GATE Forum Seminar by Mr. Krishna Udugu

■ Training on "Development of Aptitude and Soft Skills"

The Department of Information Technology had organized a 10 days training on "Development of Aptitude and Soft Skills" by TechRel Technologies Pvt., Ltd., Pune. 60 students of final year IT participated in the workshop. Mr. Himanshu Sharma and Mr. Advait Sharma conducted the first session on Aptitude skills from 7 to 11th August 2013. Ms. Anjali Atre trained the students for Language skills from 23 to 25th August 2013 and Ms. Anu Sukhija conducted the group discussion and mock Interview session on 28 to 29th Aug. 2013.



Participants of training on "Development of Aptitude and Soft Skills"

■ Expert Lecture/Seminar/Courses/Workshop Organized:

- The CII Industry-Institute interaction meet was held in our Institute on 30th Aug. 2013. Experts from Industry & academia shared their views on enhancing the interaction.
- 'Srinavasa Ramanujan Mathematics competition 2013' for students and staff was organized by ISTE Chapter on 30th Aug. 2013 in the Institute. Around 25 students and 8 teachers participated in the competition. Top five rankers in each category of this

competition will participate in zonal competition to be held on month of November. Master Student Programme also conducted by ISTE student Chapter at K. V. N. Naik Institute of Engineering Education & Research, Nashik on 8th Aug. 2013.

- Department of Production Engineering organized following activities:
 - 1) Expert talk by Mr. Vivek Kulkarni, Manager, Kirloskar Oil Ltd., Nashik on "Role of Production Engineer in current industrial scenario" on 3rd Aug. 2013.
 - 2) Expert lecture on "Over-view of Energy Production" by Mr. Chandrakant Mohikar on 31st Aug. 2013.
- Department of Electronics & Telecommunication Engineering organized an expert talk of Mrs. Nandita Ray on "Aptitude test preparation for placement" on 10th Aug. 2013. Same department also organized an expert talk of Mr. Trivedi on "Placement & Training" on 13th Aug. 2013.
- Department of Electrical Engineering (First Shift) organized an expert talk of Mr. Kaushal Bhagat on L.V. Switchgear on 2nd Aug. 2013 and an expert talk of Mr. Chinesh Patel on 'Energy management Systems & SCADA' on 16th August 2013. Same department also organized an expert talk of Mrs. Anjani Pandharkar on 'Controlled Switching of high voltage circuit breakers' on 23rd Aug. 2013 and an expert talk of Mr. Nibert D'souza on 'Industrial Safety' on 30th Aug. 2013.
- Department of Electrical Engineering (Second Shift) organized an expert talk of Mr. Robert Desuza on Industrial Safety on 6th August 2013 and an expert talk of Mr. Kaushal Bhagat on L. V. Switch Gear on 13th August 2013.
- Department of Mechanical Engineering organized an following activities:
 - 1) Expert lecture by Mr. Harish Khatale & Mr. Nikhil Bhor on "Automation" (Hydraulic & Pneumatic) for subject Industrial Fluid Power on 1st August 2013.
 - 2) Expert lecture of Mr. Sanjay Babhulkar on "Engine Testing Quality Assurance" on 24th Aug. 2013.
 - 3) Three days Workshop of Mr. Harish Khatale by TAACT on "Industrial Hydraulics & Pneumatics" for B. E. Mechanical Student related to subject Industrial Fluid Power during 22 to 24th August 2013.
 - 4) Online workshop on "Green building Awareness" conducted by IIT Bombay on 24th Aug. 2013.

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- Department of Chemical Engineering organized an expert talk of Mr. Amit Gore on "Education in Abroad" on 1st August 2013. Same department also organized an expert talk of Mr. Chandrakant Mohikar on "Process Technology in Oil & Refinery" on 14th Aug. 2013.
- MBA Department organized following activities:
 - Expert talk of Mr. Shrikant Bachhav & Ms. Savita Dadhe on 'Soft skills & English Language' on 3rd August 2013.
 - Expert talk of Ms. Anjali Atre on Soft skills on 24th Aug. 2013.
 - Expert talk of Ms. Anu Sukheja of TechRel Technologies on 28th Aug. 2013 on 'Soft Skills'.
 - Expert talk of Ms. Nandita Ray on Effective Communication on 29th Aug. 2013.

■ Seminars / Workshop / Training Attended By Staff:

- Principal Dr. K. N. Nandurkar and Prof. P. K. Shahababkar attended the CII National Skill Development Committee Meeting at Mahindra and Mahindra Towers, Worli, Mumbai on 1st August 2013.
- Prof. S. B. Chandgude, Prof. S. R. Gangurde, Dr. P. J. Pawar, Prof. A. S. Relkar, Dr. P. S. Kalos, Prof. N. B. Gurule, Prof. S. B. Gunjal & Prof. A. B. Bhusnar of Production Engineering Department attended meeting regarding discussion of implementation of new exam reform system for SE (Production) for the academic year 2013-14 organized by Dept. of Production Engg., AVCOE's, Sangamner on 12th August 2013. Same departmental staff Prof. H. D. Mhatre, Prof. A. A. Sonawane and Prof. Mrs. Nilambari K. Sonawane attended online Workshop on 'Green Building Awareness' organized by Dept. of Mechanical Engg., on 24th August 2013. Prof. N. B. Gurule of Production Engineering attended NSS Officer's meeting organized by University of Pune, Pune on 28th August 2013.
- Prof. Daware G. B. & Prof. Jakhad A. K. of Chemical Engineering department attended online Workshop on 'Green Building Awareness' on 24th August 2013 organized by Dept. of Mechanical Engg., of our Institute. Prof. Daware G. B. also attended National Level Seminar on 'Role of Bioenergy in sustainable growth' RBESG-13, during 30 to 31st August 2013 organized by MAE Alandi.
- Prof. Rupali Bora of Information Technology Department attended Faculty Development Program on "Problem Solving and Object Oriented Programming" on 19th August 2013 organized by Board of Studies, Information Technology at Vishwakarma Institute of Information Technology (VIIT), Kondhwa, Pune.

- Prof. Saroj Dhake, Prof. Arun Mohgaonkar, Prof. Mahesh Gujar, Prof. Prashant Tagade, Prof. Ketki Kashyap and Prof. Sadhana Wagh of MBA Department attended faculty development programme organized by University of Pune, Pune during August 2013.
- Prof. Archana L. Mourya of Applied Science department attended State Level Workshop on 'Research Methodology' at Research Center, University of Pune, Pune during 16 - 17th August 2013.

■ Industrial Visits Organized For Students:

Date	Class	Name of Company
02 & 03/08/13	SE&TE Electrical	Ghatghar Hydroelectric Generating Station
05/08/2013	TE Electrical	Gauss Electromagnetics, Ambad, Nashik
13/08/2013	SE Electrical	Multiquadrant Industrial Control Ltd, Jaulake
14/08/2013	TE Electrical	Spark Electricals, Nashik
22/08/2013	SE Chemical	Megafine Pvt., Ltd.
27/08/2013	BE Electrical	Satyam Technocral, MIDC, Satpur, Nashik
28/08/2013	TE Chemical	Sunshine Paints, Ambad, Nashik
30/08/2013	BE Electrical	Enercon India, Ltd., Pachapatta, Ghoti

■ Training & Placement :

Name of the Dept.	Name of Company	No. of students selected
Mechanical Engg.	Mahindra & Mahindra Ltd., Satpur	22
	Godrej & Boycs Mfg. Co. Ltd., Mumbai	03
	Jain Irrigation Systems Ltd., Jalgaon	04
MCA	CoreBiz Technology Pvt., Ltd., Nashik	20
	Vegantaram Pvt., Ltd., Nashik	04

■ Books Purchased in Central Library : August 2013

Sr.No.	Name of Dept.	Total No. of Books purchased
01	Computer Engg.	01(PG) and 21(UG)

■ Other Achievements

- Principal Dr. K. N. Nandurkar visited College of Engineering Trivandrum as member of expert team appointed by NBA for accreditation during Aug., 16-18, 2013.
- Prof. Monali Metkar of Computer Engineering department delivered guest lecture on "Digital Techniques" at K. K. Wagh Polytechnic, Nashik on 26th August 2013. Same departmental staff Prof. Shital Bhandare judged Compu Talent Examination at Rungtha High School, Nashik on 31st August 2013.
- Prof. N. M. Bhujbal of Department of Electronics & Telecommunication Engineering delivered expert lecture on "Satellite communication" at K. K. Wagh Women's Polytechnic, Nashik on 27th August 2013.
- Prof. Dr. B. E. Kushare, Head of Electrical Engineering offered electrical consultancy services to Bosch Ltd., Mahindra Sona Ltd, Nashik, Mahindra & Mahindra, Nashik, Nashik, Trambak Rubbers Sinner, CATA Phama Sinner. He also delivered an expert

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lecture on 'Distributed generation & Integration issues in Smart Grid' at Dr. Babasaheb Ambedkar Technological University, Lonere.

- Prof. J. P. Shah of Electrical Engg Department delivered expert lecture on "Microgrid Power Quality" on 13th August 2013 at MET Engineering College and expert lecture on "Smart Transmission Grid" on 25th August 2013 at Matoshri Engineering College Nashik.
- Prof. Dr. Preeti D. Bhamre, Head of Information Technology department delivered an expert lecture on 'Literature Review Process for final year Projects' for the students of Computer and IT Engineering at SNJB College of Engg., Chandwad.

■ Abstracts of Papers Presented by Staff during August 2013:

Seismic Response Analysis of Building using Semi active MR Dampers Involving Smart Passive Control

Dr. Pradip D. Jadhao, A. M. Deshmukh, S. M. Dumane (Published in International Journal of structural and Civil Engineering Research, Vol. 2 on 3rd August 2013)

Abstract:- The issue of seismic hazard mitigation of buildings is being investigated over the years using various strategies to enhance the seismic resistance of buildings. But large scale seismic hazards during recent past earthquakes have underscored the importance of structural control system for mitigation of earthquake hazards. This paper involve a study of reduction in building responses using two proposed controls, namely, semiactive MR control and smart passive MR control are compared with uncontrol building responses. The MR dampers are diagonally connected to each floors and Bouc-Wen phenomenological model has been employed to ascertain dynamic behavior of semiactive Mr. Damper. The analysis of building responses are studied under four unidirectional earthquakes and simulated by programme coding with the help of SCILAB5.4.0. The results of numerical study reflects that smart passive MR control found more effective than semiactive MR control in reducing seismic responses of uncontrol building.

■ An Experimental Study of Ferrocement Beams

Prof. Pravinchandra D. Dhake (Published in Indian Concrete Journal during August, 2013)

Abstract:- Ferrocement is a term commonly used to describe a steel-and-mortar composite. Essentially a form of reinforced concrete, ferrocement exhibits structural behavior so different from conventional reinforced concrete that it must be classed as a separate material. The purpose of this study was to check the strength, deflection and crack pattern of ferrocement beam specimen. The test program

included determining the basic properties of constituent material namely cement, sand, and wire mesh, steel bars, casting twenty beams using the mix composition of 1: 2.5 cement and sand and calculating the ultimate failure load of the beams and subsequently the safe load. The load testing of the beam was done after 28 days of curing and was conducted up to failure to determine the actual moment carrying capacity of the beam. The results show that the maximum moment capacity or flexural strength of the fabricated ferrocement box beam, channel beam, and I-cross section beam did not fall below the ultimate moment capacity of 4.4 KN-M. This means that the box, channel and I-beams can be used such as lintels, floor joists and temporary structures with the minimum live loads. The control of deflection was a major problem in all the ferrocement beams. To overcome it, use of stiffeners at the middle portion of the beam is recommended. The load carrying capacity of the ferrocement beams can be increased by increasing the number of wire mesh layers.

■ Concrete Grade Variation in Tension and Compression Zones of RCC Beams

Prof. Pravinchandra D. Dhake (Published in International Journal of Innovative Research in Science, Engineering and Technology, Vol. 2, Issue 8, during August 2013)

Abstract:- A beam is a one dimensional (normally horizontal) flexural member which provides support to the slab and vertical walls. In a normal beam (simply supported) two zones generally arise, viz. compression zone at top and tension zone at bottom. As concrete is weak in tension, steel is introduced in the tension zone to take the tension. But as strength of concrete is ignored in tension zone with respect to compression zone, so logically no concrete is required in tension side. But this concrete needs to be provided on tension side to act as strain transferring media to steel and hence may be called as 'sacrificial concrete'. If this concrete has no tension mere than strain transferring, then why to go for same grade of concrete of concrete which is used in upper zone? This is the basic question which led to the idea of concrete grade reduction in tension zone for RCC beams to reduce construction cost. Experimental work was conducted on nine beams. Three beams were cast with M30 grade concrete; three beams with M30 grade concrete upto 91mm from top and remaining portion with M20 concrete and remaining three beams with M30 concrete upto 79 mm from top and remaining portion with M20 concrete. The results show that there is no significant reduction in ultimate bending moment for all partial beams. But the bending moment at first crack decreased by 9 % for partial beams with NA at 91 mm and 19% for partial beams with NA at 79 mm.

Prof. Dr. K. N. Nandurkar
PRINCIPAL

