



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

April-May 2017

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■ **AICTE-CII Platinum Celebration Function session on 'Improvement in Teaching/Learning'**

In the AICTE-CII Survey of Industry-Linked Technical Institutes 2016, Institutes were grouped under three categories Silver, Gold and Platinum. Out of 890 technical institutes which participated in the survey at National Level, only 9 Engineering Institutes from Maharashtra have been listed in Platinum Category. K. K. Wagh Institute of Engineering Education and Research, Nashik has been listed in the Platinum Category. Only 3 Polytechnics from Maharashtra have been listed in Platinum Category. K. K. Wagh Polytechnic, Nashik has been listed in the Platinum Category and K. K. Wagh Womens Polytechnic listed in Gold category. The celebration of the same was organized on 01 April 2017 in the institute. The Chief guest was Prof. Dr. A. S. Pant (Ex. Vice Chairman of AICTE New Delhi) and Guest of honor was Shri. S. M. Bapat (GM, KSB Pump, Sinner). On this occasion Hon. Shri. Balasaheb D. Wagh, Sau. Shakuntalatai Balasaheb Wagh, Trustee Shri. Sameer Wagh, Sau. Pant, Dr. Kelkar, Shri. KavareSaheb, Secretary Prof. K. S. Bandi and Principal Dr. K. N. Nandurkar were present. Both the guest addressed all faculties of various institute of the K. K. Wagh Education Society.



Speech by Dr. A. S. Pant

■ **One day Workshop on 'Flipped Learning'**

One day workshop by Dr. Ms. Vasudha Kamat, Ex. VC, SNDT Women's University was arranged in the institute on 8th April 2017 for all the faculties. On this occasion Dr. Ms. Vasudha Kamat was felicitated by Hon. President of K. K. Wagh Education Society. Dr. Vasudha Kamat explained the advantages of the Flipped learning. She interacted with all the newly recruited faculties in the morning session and guided for the effective teaching.



Felicitation of Dr. Ms. Vasudha Kamat



A view of active workshop by Dr. Vasudha Kamat

■ **Farewell for ISTE student chapter committee members**

ISTE Students' Chapter organized "Farewell function 2017" on 10th April 2017 in the college seminar hall where the current committee bid the farewell to the outgoing

students of senior committee with great enthusiasm and of course nostalgia. The function began with welcome of Principal, Dr. K. N. Nandurkar, by Prof. P. S. Vispute. The current committee presented a video of different activities of former committee. This was followed by former committee members sharing their experiences, their journey of ISTE and how ISTE has helped them develop as an overall human being. Dr. K. N. Nandurkar shared his thoughts on the same and wished good luck for the future and appreciated their work. Prof. Prajakta Vispute shared her experience with this committee and wished them very good luck for future. A small token of appreciation was given to the students which was a customized diary, it included their journey through ISTE.



Former Committee of ISTE Students' Chapter 2017

■ Online Learning License by RTO, Nashik

An online learning license exam was conducted in the institute on 12th June 2017. The online learning license was distributed to the qualified candidates at the hands of Nashik Police Commissioner Dr. Ravindra Singhal. On this occasion Mr. Ajinkya Wagh, Prof. Dr. S. S. Sane, Prof. P. T. Kadve and Prof. P. K. Shahabadkar were present. This was the first program of this type in the entire country and K. K. Wagh Institute of Engineering Education and Research was selected as the first institute for launch of the program.



Distribution of learning license by Police Commissioner Dr. Ravindra Singhal

■ LMC Meeting

Local Managing Committee meeting was held in the institute on 15th April 2017. Chairman Shri. Balasaheb Wagh, Trustee Mr. Chagdeorao Holkar, LMC Member Prof. Dr. Vishwas Pangarkar (Ex. Professor of ICT Mumbai), Dr. Omprakash Kulkarni, Shri. Rajendra Bagwe and elected staff members of the Institute were present. Principal Dr. K. N. Nandurkar welcomed all members. All members gave their valuable suggestions for the overall development of the institute.



LMC Meeting held on 15th April 2017

■ Workshop on "C++ Programming Language"

Information Technology Department organized a three day hands on workshop on "C++ programming language" for school students by Prof. S. R. Deshmukh & Prof. S. K. Badjate during 6th to 8th April 2017. Total 32 students from 8 schools including Ashoka International, Ryan International, Rasbihari International etc participated in this workshop.



Participants of workshop on "C++ programming language" along with Principal & Staff

Expert Lecture/Seminar/Courses/Worshop Organized:

- Launching of Bus-Mobile App by Mr. Ashok Kalbag, Member of IIT Bombay Alumni Association was organized in the institute on 2nd April 2017.
- Lecture by Dr. Y. P. Reddy, Vice Principal, Sinhagad Institute of Technology, Pune on 'NAAC Preparation' for all staff of the institute was organized on 27/04/2017.
- On 29th April 2017, IQAC meeting at Electrical Department attended by external members of IQAC. All HODs and Coordinators were present.
- In institute, Fire and Safety demo by Nashik Municipal Corporation was organized on 10th April 2017. The staff attended the demo.
- Lecture by Dr. Patil on "Laser Hemotherapy" on 17th April 2017 was organized in the institute for students and staff.

Seminars/Workshop/Training attended by Staff:

- Principal Dr. K. N. Nandurkar and Prof. Dr. V. M. Sewalikar attended one day workshop on 'New University Act' at Savitribai Phule Pune University, Pune for Director/ Principal of all Colleges affiliated to Savitribai Phule Pune University, Pune on 12th April 2017.

Industrial Visits Organized For Students:

Date	Class	Name of Company
05/04/2017	SE Production	Gabriel (I) Ltd., Nashik Engineering Cluster and Mitesh Auto Ancillary Pvt., Ltd.
06/04/2017	TE Production	Mitesh auto Ancillary Pvt., Ltd., Nashik
13/4/2017	SE IT	ESDS Software Solution Pvt., Ltd.

CONGRATULATIONS!

Ms. Kshipra Rajhans (Electrical) getting 1st prize – Around the World, organized by IEEE on 04/04/2017. She also won 1st prize IET PAT 2017 competition on the topic 'Smart City' organized by IET Nashik Local Network for three districts Nashik, Ahmadnagar and Aurangabad. Total 69 participants participated in this competition. Three rounds of selection were conducted as Institute round, District round and Local Network round.



Felicitation of Ms. Kshipra Rajhans (Electrical)

**Abstracts of papers presented during April 2017:
Back Stepping SMC for Blood Glucose Control of Type-1 Diabetes Mellitus Patients**

Deirdre D. Sylvester and Ravindra K. Munje
(Presented in 5th International Conference on Engineering Technology, Science and Management Innovation Organized by the Institution of Electronic and Telecommunication Engineers, Delhi, on April 30, 2017)

Abstract: Diabetes is a chronic condition marked by abnormally high levels of sugar (glucose) in the blood. People with diabetes either do not produce enough insulin, a hormone that is needed to convert sugar, starches and other food into energy, needed for daily life or cannot use the insulin that their bodies produce. As a result, glucose builds up in the bloodstream. If left untreated, diabetes can lead to blindness, kidney disease, nerve disease, heart disease, and stroke. Therefore, strict glycemic control is required for the diabetes patients. The aim of this paper is to control blood glucose, and for this purpose the Bergman minimal mathematical body model is used to develop the nonlinear controller. A resilient back-stepping based sliding mode control strategy is proposed as a solution, which assures practical tracking of the desired glucose concentration. The performance of the proposed design is compared with the conventional state feedback controller. The numerical simulation results showcases the advantages of back stepping sliding mode controller design to the state feedback controller design.

**May 2017
Inauguration of 'Annual Magazine Horizon' by Er. Kishor Pathak and felicitation of Editorial Committee**

K.K.W.I.E.E.R's annual magazine 'Horizon' was inaugurated by well-known poet and writer Mr. Kishor Pathak. Mr. Pathak praised the efforts of the entire editing team for their remarkable efforts. The event saw the presence of Principal Dr. K. N. Nandurkar along with magazine coordinator Prof. Preeti Vaidya and registrar Mr. Ajinkya Joshi. This occasion led to some

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important advice cum appreciation from the honorable chief guest, who said that the editorial board instead of focusing on just one's writing skills, also focused on improving the vast knowledge that serves as an efficient ingredient in becoming a good writer. Principal Dr. K. N. Nandurkar took notice of all the institute level events during this program. Hindi, Marathi and English articles along with rich and profound year round event details, placement scenario and the inclusion of all other such activities is what making this magazine unique. The Chief Editor of the magazine Ms. Sukanya Wable, along with the entire editing team was present during this occasion. Ms. Maitreyee Pandit and Mr. Prasad Wakhare, the editorial board members did the oration of the entire program.

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

- Department of MCA has organized a workshop on “Web Development using PHP, MySQL” in association with NEC- TATA Trusts Skill Development Initiative. Twenty Six students were enrolled for the workshop. Web Development theory and practical sessions were conducted by Mr. Ravindra Varpe, Trainer at NEC. Soft Skill session was conducted by Mr. Devdatta Gokhale, Trainer at NEC. Examination of NEC was supervised at MCA department by Ms. Nilescha Salunkhe, Representative of NEC. as organized in the institute for students and staff.

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

- Computer Engineering staff Prof. Dr. S. S. Sane attended CSI Nashik - Hitachi Program on 17th May 2017. Same department staffs Prof. K. F. Alfatmi, Prof. A. V. Taware and Prof. K. P. Birla have attended Training on IoT at Winjit. Nashik from 16th to 19th May 2017. Also Prof. Dr. S. S. Sane, Mr. P. D. Surwade, Mr. A. V. Avhad and Mrs. J. R. Rahatal have attended session on “Road Safety” on 30th May 2017.
- Principal Dr. K. N. Nandurkar visited to Children Traffic Education Park, Mumbai Naka along with 50 non teaching staff of the institute on 30th May 2017.
- Chemical Engineering Staff Prof T. B. Mahale attended Make in Nashik exhibition at IT Nehru center, Warali, Mumbai from 30 to 31 May 2017.

■ **Training & Placement :**

Name of Company	Name of the Dept.	No.of students selected
QSpider	Computer Engg.	05

■ **Abstracts of papers presented during May 2017:**
Analysis of Dynamic Community Detection Algorithm

Prof. Prajkata Vispute & Prof. Dr. S. S. Sane
(Presented in CPGCON organized at SITRC, Nashik and got Best Innovation Award)

Abstract: Graph mining and management is an important area of research in recent years. Different applications result in graphs of different sizes and complexities. Correspondingly, the applications have different requirements for the underlying mining algorithms. Social network analysis is one of the most dynamic area which is divided into four major themes graph theory, social networks, online social networks and graph mining. Community detection is a significant but challenging task in the field of social network analysis. Community can be considered as a summary of the whole network, which is easy to visualize and understand as well useful for further network analysis. Here, study of interaction network whose social network topology and exact time that nodes interact is considered. In an interaction network, an edge is associated with time stamp. The problem of detecting and analyzing communities in interaction network, where communities are dense and whose edges occur in short-time intervals are analyzed. This work focuses on methods of identifying dynamic communities in association with other parameters in interaction network which may analyze community effectively.

■ **Hyperspectral Imaging**

Prof. Monali P. Mahajan

(Presented in CPGCON organized at SITRC, Nashik)

Abstract: Imaging refers to capture, storage, manipulation and display of images. Spectral imaging is a branch of spectroscopy in which a complete spectrum or some spectral information is collected at every location on image plane and is processed. Image cube, a type of data cube is used to represent the spectral images. Hyperspectral imaging and Multispectral imaging falls under Spectral Imaging. Imaging spectrometers are used to produce these Hyperspectral Images. There are various applications of Hyperspectral Imaging in Agriculture, Astronomy, Chemical Imaging, Eye Care, Remote Sensing, Surveillance and many more. The work focuses on introduction, data acquisition techniques and challenges in Hyperspectral Imaging

Prof. Dr. K. N. Nandurkar
PRINCIPAL

