TECHNICAL NEWS LETTER

Late Balasaheb Wagh Jayanti Program

Chairman Shri. Sameer Wagh felicitated Hon. Shri. Balasaheb Thorat

Jayanti Program of Late Balasaheb Wagh was organized to offer tribute to our Ex. President Hon Bhau. Hon Balasaheb Thorat (Ex Revenue Minister) was present as Chief Guest for the program. Hon Balasaheb Thorathighlighted the contribution of Late Balasaheb Wagh for quality education including upliftment of quality of education in Unaided Engineering Colleges and Agricultural Colleges in the state of Maharashtra. Chairman Shri. Sameer Wagh felicitated Hon. Shri. Balasaheb Thorat. On the dias Chairman Shri. Sameer Wagh, Smt.Nilimatai Pawar, Ex. MLA Shri. Anil Kadam, Smt. Shakuntalatai Wagh, Mrs. Shefali Bhujbal, Dr. Sunil Dhikale (President, MVP Nashik), Adv. Nitin Thakare (Sarchitnis, MVP), Shri. Balasaheb Kshirsagar (Speaker, MVP Nashik), Mr. Ajinkya Wagh, all trustees of K. K. Wagh Education Society and other dignitaries were present. All staff of K. K. Wagh Education Society and citizens of Nashik district were present for the program.

Tribute to Padmashri Kakasaheb Wagh on his Birthday

On occasion of Birth Anniversary of Late Kakasaheb Wagh on 26th October 2023, institute paid homage to Kakasaheb Wagh. The program of garland for Kakasaheb Wagh Photo was organized on his birth anniversary to remember the contribution of Founder. On this occasion Chairman Shri Sameer Wagh, Trustee Shri Ashokbhai Merchant, Mr Ajinkya Wagh, Secretary Prof. K. S. Bandi, Ex. Principal Dr V. D. Barve, Principal Dr. K. N. Nandurkar, other Principals and Heads of department of various Colleges of K. K. Wagh Education Society were present.

Birth Anniversary of Late Kakasaheb Wagh

Installation of Saraswati Murti

Saraswati Murti Poojan

Program of installation of Saraswati Murti near Central library was organized as per wish of Late Bhau on 26th October 2023. On this occasion the Saraswati Murti Poojan was organized at the hands of Trustee Mr Ashokbhai Merchant and Mrs Shushmaben Ashokbhai Merchant, Mr and Mrs Munje and Mr and Mrs Sarang Naik. Chairman Shri Sameer Wagh, Mr Ajinkya Wagh, Secretary Prof. K. S. Bandi, Principal Dr. K. N.

Nandurkar, other Principals and Heads of department of various Colleges of K. K. Wagh Educaton Society were present. After the Saraswati Poojan, the program of inauguration of Mural fitted in the Porch of K.K. Wagh Institute of Engineering Education and Research was organized at the hands of Architect Dhananjay Shinde and Mr Ruchi Kumbharkar (Ex Municipal Counciler).

The Saraswati idol is carved in white marble by the artists from Rajasthan. It will be a great source of inspiration for students who are aspiring to be good engineers. The mural displays the technological development from prehistoric period to date. This will give an idea about the progress in technology and major inventions that helped in development of the mankind.

Installation of Saraswati Murti

Inauguration of Mural in Porch of KKWIEER

Alumni Meet At Delhi

An Alumni Meet was organized by K. K. Wagh IEER, Nashik on October 7th October 2023 at India Habitat Center, Delhi. The Alumni were welcomed by the faculty members. It was really exciting and unbelievable experience for both alumni and their teachers during alumni interaction. The winds of lovely memories were flowing and glowing in the minds of alumni and teachers. Alumni members were eager to share

their memories and getting snaps with their beloved teachers. The main event started at 6.45 pm. Hon. Chairman of K. K. Wagh Education Society Shri. Sameer Wagh chaired this event. The event started with Ganesh vandana presented by Shri. Chandrashekhar.Hon. Trustee Shri. Ashok Merchant was a chief guest. Principal Dr. K. N. Nandurkar introduced the program with his bridging words while expressing the purpose of this meet. He also presented the progress of education society at a glance. Dr. P. J. Pawar (Coordinator, Alumni Association) then briefed the audience about the activities of alumni association. Dr. S. S. Sane (Dean Administration) and Dr. S. Y. Kute (Dean Academics) shared their views and appealed all alumni to strengthen further the relationship between institute and alumni. Now it was a turn for alumni to express their views. Alumni explained their memories of their golden student hood. All appreciated the great progress of the K. K. Wagh Education Society. Alumni showed overwhelming response for this meet and more than 125 enthusiastic alumni members attended the meet.

Alumni Meet at Delhi

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

TECHNICAL NEWS LETTER : October - 2023

■ AAVISHKAR – Zonal Level Competition

Inauguration of the Aavishkar Zonal level competition 2023

Address by Principal Dr. K. N. Nandurkar during the inauguration

K. K. Wagh Institute of Engineering Education and Research has organized the zonal level round of Aavishkar 2023 of Savitribai Phule Pune University on 30th October 2023. Around 240 student teams with 434 students participated in this competition. This competition was organized in three categories, i.e. Engineering and Technology, Agriculture and Animal Husbandry and Medicine and Pharmacy. The summary of projects and students is given below.

Category	Teams	Students
Engineering & Technology	77	140
Agriculture and Animal Husbandry	72	128
Pharmacy and Medicine	91	166
Total Number	240	434

The competition was inaugurated with the hands of Dr Rajendra Bhambar, Senate Member (SPPU) and Principal of Mahatma Gandhi Vidyamandir Pharmacy College, Nashik and the projects were evaluated by subject experts. Projects in Engineering and Technology were evaluated by Dr Omprakash Kulkarni, Mrs. Apoorva Jakhadi, Shri. Ravindra Mahadevkar and Shri. Nishikant

Ahire. The pharmacy and medicine projects were examined by Dr. Sachin Kushare and Dr. Manoj Magar while the Agricultural and Animal Husbandry projects were examined by Dr. Pankaj Singh Chavhan and Prof. Nayana Gosavi. Along with this representatives of the SPPU Nashik Subcentre were present during the inauguration. During the competition, Dr. Sanjay Dhole, Director, IQAC (SPPU) visited the venue and interacted with students. The Project entries were at UG, PG, PPG and PhD levels. The two winners from each entry and each category are to be submitted to the Savitribai Phule Pune University for the University Level Round.

■ IICMeeting and Felicitation of Co-oridantors

IIC Day celebration

Institute Innovation Council (IIC) of the K. K. Wagh Institute of Engineering Education and Research has planned the celebration of the Institution's Innovation Day (15/10/2023) (i.e. Birth Anniversary of Dr. A. P. J. Abdul Kalam) on 16th October 2023. The celebration includes

1. Felicitation of the existing Innovation Ambassadors (IA)
2. IIC Awareness session for the students and faculty members
3. Felicitation of Innovators (Avishkar Competition)

The celebration started with the speech of IIC President, Dr. Keshav Nandurkar (Principal, KKWIEER). After that, the IIC Convenor presented the overview of IIC 2022-23 activities and presented the plan for activity completion for IIC 2023-24. All the innovation Ambassadors are then felicitated with the hands of the IIC President, and IIC Vice President for the completion of required trainings. Later all the coordinators presented the brief information on KAPILA, IIC, Yukti, NISP, etc. This celebration was attended by the students as well. The IIC coordinator explained the role of students in the development of I& E ecosystem through the IIC of the Institute. Innovator students of the Aavishkar were also felicitated during this program.

■ Guidance Session for Girl Students by Dr. Chordiya and Team

Girl participants during the guidance session of Dr Chordia and team

A guidance session for girl students was organized in our institute on 12th October 2023. Dr Chordia and team of Gynecologists from Nashik city provided the guidance to the girl students on this occasion. Dr Preeti Bhamre (Head of IT department and Dean IQAC) and Prof. Mrs Nayana Jangle coordinated the program.

■ Felicitation of Students of Robotics and Automation Department

Felicitation of Robotics and Automation Students

Department of Robotics & Automation organized an event on 9th October 2023 to felicitate the students who are selected in Glatt System Pvt. Ltd., Pune through campus placement and also to felicitate the Team matrix who won the first award in National level Robotic competition held at AISSMS College, Pune. This event was chaired by Dr. S. S. Sane, Professor and Head, (Computer Engg, and Dean Admin.), HOD of Robotics and Automation Dr. P. J. Pawar welcomed all dignitaries and provided brief information about Department achievements. Training and placement officer Dr. P. K. Shahabadkar provided information about attempts made by the Training and Placement section to impart soft skill and interview skills in the students. Dr. S. S. Sane congratulated all students for their achievements also provided brief information about the Institute. Total eight student are placed in Glatt systems Pvt. Ltd. with the package of 8.5 L. All placed students along with their parents were felicitated. Also the student members of Team matrix who won the National Robotic competition and their parents were felicitated in this event.

■ "Meri Mati Mera Desh" Campaign

"Meri Mati Mera Desh" campaign

As per the guidelines of the Government of India, NSS unit of the institute organized various activities under "Meri Mati Mera Desh" campaign on 16th October 2023 in the institute campus. Arround 700+ selfies with mati were uploaded on GoIwebportal. NSS volunteers organized rally of "AmrutKalash" and took "PanchPran" pledge.

■ Inauguration of Book Exhibition

Kusumagraj Central Library Organized Two Days "Book Exhibition based on syllabus of First Year B. Tech." during 13th to 14th October 2023. This Exhibition was inaugurated by Prof. Dr. K. N. Nandurkar, Principal, 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.

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

TECHNICAL NEWS LETTER : October - 2023

Inauguration of Book Exhibition

CDC Meeting of College in Hybrid Mode

The CDC Meeting of our Institute was organized in Hybrid Mode in presence of Industry experts on 13th October 2023. The objective of the meeting is to review the performance and planning.

"Chala Nadila Januya" Campaign

"Chala Nadila Januya" Campaign

The inaugural function of "Chala Nadila Januya" campaign of Govt. of Maharashtra was organized in Nashik at Goda Ghat on 2nd October 2023. Around 100 NSS volunteers of the institute were present for this function. They participated in massive plastic waste collection drive and various awareness sessions under this campaign.

Staff Training Workshop on Smart Faculty

The staff training workshop

The staff training workshop on Smart Faculty was organized by IQAC Cell of our institute on 23rd October 2023. Shri. Rajendra Bharate, CEO & MD, Concepts Clearance Co. Pvt. Ltd., Nashik was resource person for the workshop. 21 newly joined faculty attended the said workshop.

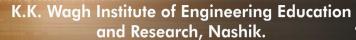## Student won prizes in Volley Ball, Chess and Table Tennis Competition

In interzonal competitions held at BYK College, our institute girl won the first prize. In basket ball (Girl) won second prize. In table tennis (boys) won first prize, in Table tennis (Girl) won second prize. In chess (Girl) won first prize. In Chess (Boys) won second prize.

Award winners

Expert Lecture/Seminar/Courses/Workshop conducted:

- Computer engineering department organized a Design Thinking Workshop for the course 'Design Thinking' on 17th and 26th October 2023 and a mini project competition for the course "Database Management System Lab" by Manas Joshi, Mihir Palav and Shreyash Kalvankar on 28th October 2023.

- Electronics and telecommunication department organized Expert talk on "Web Page Designing" by Mr. Deepakkumar Shinde, Full Stack Developer & Trainer, Confluence Infotech on 09/10/2023, Expert talk on "Opportunities in the Electric Vehicle sector" by Mr. Rahul Patil, Sr. Engineer, L&T Technology and services, Vadodara on 14/10/2023, Expert talk on "Inner Engineering" by Mr. Krishan Dhan, Motivational Speaker, Author & Spiritual Speaker, Dean at Vidya Gurukul, Monk at ISKON Nashik on14/10/2023 and Expert talk on "Web Page Designing-Part 2" by Mr. Deepakkumar Shinde on 16/10/2023. Same department also organized Expert talk on "A walk through on UPSC" by Mr. Dhananjay Bele, Director, Connect India IAS Academy, Nashik on 21/10/2023, Expert talk on "Channel coding: Importance of error correction mechanism in noisy environment" by Shrikant Joshi on 26/10/2023, Expert talk on "Entrepreneurship: Primary Wealth Creation" by Mr. Vishal Jategaonkar, Centre Director, T.I.M.E Nashik on 28/10/2023 and Expert talk on "Need of Electronics as automation in Industry" by Mr. Sanjay Chaudhary, Director, Study Centre Nashik on 30/10/2023.

K.K. Wagh Institute of Engineering Education and Research, Nashik.

TECHNICAL NEWS LETTER : October - 2023

- Electrical Engineering department organized Expert lecture on "Start up and Innovation" by Mr. RanjitVarpe, CEO, Suprabha Polymers and Engineers on 07/10/2023, Expert lecture on "Energy conservation and Management" by Mr. PramodDaspute" Deputy Executive Engineer, MSETCL on 21/10/2023, Expert Lecture on "Overview of Motor Control Drive" by Dr. Sushant Pawar, Technical Lead for KPIT Technologies on 28/10/2023 and Expert Lecture on "Innovations in Control Systems" by Ms. Deirdre Denise Subin, Senior Technical Engineer, Electrical Control Systems in Sydney Trains, Australia on 26/10/2023. Same department also organized Faculty Development Program (FDP) on "Advanced Topics in Control Systems" during $26^{th} – 28^{th}$ October 2023.

- Chemical Engineering department organized expert talk on "Manufacturing of H_2SO_4 by Dr. V. G. Pangarkar, Ex. Professor, ICT Mumbai on 04/10/2023, Expert Talk on "Mental and Health Awareness" by Ex. Dattatray Aher, Ex. Principal of Govt. ITI on 23/10/2023and Expert Talk on "Energy conservation and auditing"by Mr. Pramod Dashpute on 27/10/2023.

- Department of Artificial Intelligence organized an Expert talk on "Security Practices in Web Development" by Mr. Sudhir A. Rauton 14th October 2023.

■ Other Achievements

- Principal Dr K. N. Nandurkar was invited as panelist for International Dean's Council Panel Discussion on Future of Higher Education : Impact of Gen AI on skills and jobs on 19th October 2023.

- Principal Dr. K. N. Nandurkar and Prof. Dr V. M. Shewalikar visited to Sewagram Ashram and Pavnar Ashram at Wardha on 21st October 2023. They also visited Chetna Vikas Project by Ashok Bang at Wardha.

- Prof. Dr. S. S. Sane and Dr. P. K. Shahabadkar visited to ABB Ltd, Nashik on 3rd October 2023 for Digital Solution competition in presence of Dr Abhyankar, Dean, Technology Department, SPPU Pune as a part of student creativity and industry interaction.

- Meeting with representative of Glatt Technology (Sawant Bhusnar, Alumnus) was organized on 6th October 2023 as a part of placement activity through alumni interaction.

- Prof. Dr. R. K. Munje visited for event by SMB group at Hotel Marriot Nashik on 5th October 2023 as a part of Industry Interaction and problem solving.

■ Congratulations!!

Our institute has received Best Engineering Institute 2023 Certificate from Career 360 as part of recognition by External Agency.

■ Abstracts of papers presented during October 2023 Blockchain based customized certificate generation and verification

Prof. C. R. Patil

((Presented paper in 4th International Conference on Contents, Computing and Communication 2023(Online Mode) on 20th and 21st October 2023)

Abstract: In FY22, the number of universities in India stood at 1113 with 42343 colleges. The total number of enrollments in higher education has also steadily increased. Degrees play the most important role in the academics of any candidate, be it a UG / PG student or a research, etc. But the authenticity of the certificate is another important aspect. Blockchain technology makes the shared ledger concept of a distributed system a reality for many application areas. It is essentially a decentralized approach that provides transparency of transaction data. To find certificates, documents, transcripts, everything must be digitized with the principles of confidentiality, immutability, reliability and availability. All of this can be achieved through blockchain. In this article, we introduce a blockchain-based certificate generation and verification system. The system will consist of three modules: generate, upload and verify. Each certificate has a unique hash key that is used to access and verify the certificate or document. The proposed system will solve the problem of false certificates and the maintainability of documents will be improved. The generated digital certificate is anti-forgery and easy to verify. As it is blockchain-based, the generated documents cannot be edited or modified.

Keywords: Blockchain, Cryptography, IPFS, Hashing, Digital Certificates, Generation and Verification.

Prof. Dr. K. N. Nandurkar
PRINCIPAL