



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

February 2023

Vol. : 15  
Issue : 2

■ **Visit of Dr. Jagannath Patil, Advisor (NAAC)**



Felicitation of Dr. Jagannath Patil, Advisor (NAAC)

Dr. Jagannath Patil, Advisor (NAAC) visited our institute on 11<sup>th</sup> February 2023. He was felicitated at the hands of Chairman Shri. Sameer Wagh. Dr. Jagannath Patil appreciated the development of K. K. Wagh Education Society. Dr. Jagannath Patil delivered the speech to all staff of the institute on "Awareness about Benchmarks set by NAAC". For the program Chairman Shri. Sameer Wagh, Secretary Prof. K. S. Bandi, Principal Dr. K. N. Nandurkar, all Principals and Heads of various institutes of K. K. Wagh Education Society were present.

■ **Maffick 2023**



Prize distribution program of Maffick



Musical program of Marathi songs "Nakshatranche Dene"



"Lezim" performance during Maffick

The annual social gathering "Maffick 2023" for A.Y.2022-23 of our institute was organized from 24<sup>th</sup> to 28<sup>th</sup> February 2023. Principal Dr. K. N. Nandurkar along with all Deans and HODs inaugurated "Maffick 2023" on 24<sup>th</sup> February 2023. The theme of Maffick for this year was "e-Evolution Unfolding Education". Various cultural events and activities were conducted during Maffick 2023. Different competitions like Rangoli, Poster and Sketching were organized on 24<sup>th</sup> February. A new event Open Mic an open stage activity was organized inside the Institute open space area for all staff and students to showcase their various cultural talents like singing, poetry, mimicry, etc. On second day, 25<sup>th</sup> February Group Day was celebrated by students and soft skill competitions like Elocution, Quiz and Debate were also organized. On same day a



musical program of Marathi songs “Nakshatranche Dene” was organized and performed by a group of students of the institute. Traditional Day was celebrated on 27<sup>th</sup> February by students and a group of NSS volunteers also presented “Lezim” performance in the Institute campus. Cultural programs like Singing, Drama, Dance, Fashion Show and Personality Contest were organized in pendol on 27<sup>th</sup> and 28<sup>th</sup> February. Corporate Day / Saree Day was celebrated by the students on 28<sup>th</sup> February. The Prize Distribution ceremony of Maffick 2023 was held on 28<sup>th</sup> February. A student of Electrical Engineering, Miss. Shrushti Pawar was awarded with the Best Outgoing Student for A.Y.2022-23 of the Institute. For gracing this ceremony, Mr. Shubhra Talukdar (Senior Manager, Technology Controls Optimization HSBC and alumnus of Mechanical Engineering department - 2004 batch of the institute) was invited as Chief Guest. The Officers from Epiroc Company Ms. Issa Gabrielson, Mr. Arvind Patil and Ms. Pallavi Pande were also present for this prize distribution function. A third-year topper student of Production Engineering department, Ms. Gauri Sontakke was felicitated by Epiroc Company and she was offered with job at this company.

■ Visit of Dr. Krishna Vedula



Felicitating of Dr. Krishna Vedula

Dr. Krishna Vedula, Executive Director, Indo Universal Collaboration for Engineering Education (IUCEE) along with Hon. Mr. Dilip Chemburkar (Retired Business Executive, GE finance assurance, USA) and Hon Mr. Vasant Marathe (Director, Neeraja Trust) visited our institute on 15<sup>th</sup> February 2023. Principal Dr. K. N. Nandurkar felicitated to all guests on this occasion. The guest interacted with the Heads of department in morning and later on they interacted with all staff of the institute and students in the afternoon. MoU was signed about improving Teaching Learning with the help of experts



Visit by Dr. Krishna Vedula at Idea Lab

Prof. Dr. Krishna Vedula and other guests also visited the AICTE Idea Lab and appreciated the projects done by our students.

■ NSS Special Camp was organized during 9 - 15<sup>th</sup> February 2023



NSS Camp



Blood Donation during special ness Camp

NSS Special camp for AY 2022-23 was organized by our institute in the adopted village, Mohgaon, Tal.& Dist. Nashik from 09th Feb. to 15thFeb. 2023. The inaugural function of camp was organized in Kanifnath temple in village. Mr. Rajesh Pandit (President, NamamiGoda Foundation, Nashik) was the chief guest for inaugural function. Mrs. Bhagyashri Tile (Grampanchayat Member), Mr. Yogesh Tile (Grampanchayat Member), Mrs. Surekha Tile

continued on page 3

(Grampanchayat Member), Mr. Dnyaneshwar Bhor (Gramsevak), Prof. Dr. K. N. Nandurkar (Principal, KKWIEER) and villagers were present for this function. Principal Dr. K. N. Nandurkar delivered welcome speech. Mr. Pandit briefed work of "Namani Goda Foundation" for the cleanliness of Godavari river basin. Mr. Bhor brief about activities and tasks that can be performed for the development of village during camp. During the special camp, various programmes, lectures and activities like Blood Donation Camp, Street Play, Wall Painting, River Cleaning, and Health Check Up Camp for villagers. The concluding session of this special camp was held on 15th February 2023 in presence of Mr. Mukund Pingale (Reporter, Agrowon Newspaper), Mr. Akash Lagad (Deputy Sarpanch, Grampanchayat) and Mr. Yogesh Tile (Grampanchayat Member). The camp was concluded by planting around 125 trees of Bamboo, Bel, Chafa, Neem and Umbar and providing them organic fertilizers & tree guards. Prof. Swanand Dongare expressed his gratitude towards K. K. Wagh Education Society, Institute, Grampanchayat and all villagers for their support and cooperation to organize this camp.

#### ■ Visit of officials of IET Bangalore



Signed MoU - an IET Academic Affiliate Agreement  
Neha Singh (Senior Customer Engagement Manager) and MsLatha, Senior Executive, Customer Engagement, Institution of Engineering and Technology (IET), Bangalore visited on 24<sup>th</sup> February 2023 to our institute. Dr. K. N. Nandurkar (Director, KKWIEER) and Ms. Neha Singh signed an IET Academic Affiliate Agreement for the year 2022-23 on 24<sup>th</sup> February 2023 in the presence of Dr. R. K. Munje (Chairman, IET Nashik Local Network), Ms. Latha (Senior Executive, Customer Engagement, IET Bangalore), Dr. Ajinkya Joshi (Registrar, KKWIEER) and Dr. PreetiBhamre (Dean, Quality). A certificate of the Agreement was presented by Ms. Neha to Dr. K. N. Nandurkar (Director, KKWIEER).

#### ■ Visit of Dr. Jayashree Bijwe(Ex Professor,IITDelhi)



Visit of Dr. Jayashree Bijwe

Dr. Jayashree Bijwe (Ex. Professor IIT Delhi) visited the AICTE IDEA Lab of K. K. Wagh Institute of Engineering Education and Research, Nashik. She also guided all the HODs and R & D coordinators for writing research proposals.

#### ■ Session by Dr. S. G. Bapat

A Session by Dr. S. G. Bapat (Ex. Vice Chancellor Tilak Maharashtra University, Pune) was organized for Teaching and Non-Teaching staff of the institute on 16<sup>th</sup> February 2023. On this occasion Principal Dr. K. N. Nandurkar felicitated Dr. S. G. Bapat. The topic for the talk was "Changing role of faculty under new education policy". All staff of the institute attended the session.

#### ■ Installation of Indian Society for Training and Development (ISTD) Institutional Membership



Installation programme of Indian Society for Training and Development (ISTD)

The installation ceremony of India Society for Training and Development (ISTD) institutional membership was organized on 17<sup>th</sup> February 2023 in the institute in presence of National President of ISTDMs Anita Chauhan. The purpose of the membership is to increase interaction with professional bodies. On this occasion Dr. S. G. Bapat (Ex. Vice Chancellor Tilak Maharashtra University Pune) was present. Principal Dr. K. N. Nandurkar felicitated to National President of ISTD Ms Anita Chauhan,

continued on page 4



Dr. S. G. Bapat and other officers of ISTD. For the program Principal Dr. K. N. Nandurkar, all Deans, Heads of department and staff were present. In the afternoon a session of Dr. S. G. Bapat was organized for MBA students on “Seven steps for success in life”.

■ **Har Ghar Dhyaan Programme**



Har Ghar Dhyaan Programme

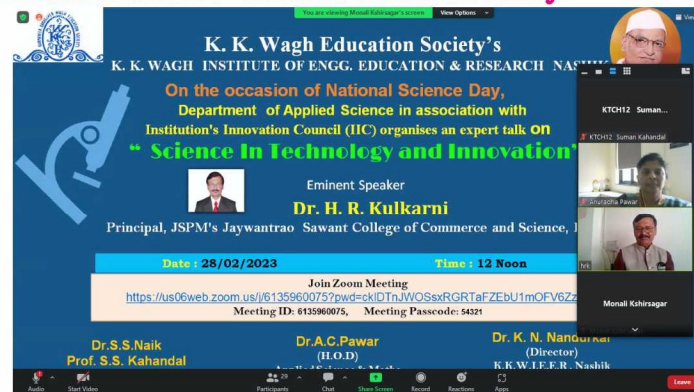
Har Ghar Dhyaan is the joint initiative of Govt. of India and the Art of Living Foundation. Our institute organized the said program on 22<sup>nd</sup> February 2023. Mr. Digvijay Kharote was the guest for conducting the session. 80+ students along with 10 + faculty members have participated in the session. Prof. S. Y. Kute (Dean Academics), Prof. Naik (Science Dept), Prof. Pawar (HoD science), Prof. V. K. Patil (FE Coordinator), have attended the session with the staff members from different departments. Prof. Snehal N. Chaudhari, Prof. AnupDudhekar and Prof. Rohit Bhaskar have coordinated the event.

■ **Student Connect Program**

The Department of Applied Science organized a “Student connect program” for the first year B.Tech. Students in order to create awareness amongst students about the various components and sections of the system working for their welfare. The students were duly informed about the interdisciplinary nature of first year engineering so as to help them acclimatize to the upcoming challenges and opportunities. The session was also designed to communicate appropriate meaning of autonomous status as well as academic and evaluation policies of the institution so as to remove any misconception or query from their side. The session also aimed at inculcating the importance of professional discipline and flourishing awareness about experiential learning. The motto to bring harmony in the system and to inculcate these parameters as the part of the culture was well communicated. This program was conducted as a bridging program to reduce gap among student,

academicians and administrative system. All teachers and coordinators explain their role in the system and significance of respective activity or action planned or conducted by them.

■ **Celebration of “National Science Day”**



The National Science Day was celebrated enthusiastically on 28<sup>th</sup> February 2023 on behalf of the Department of Science and Institution Innovation Council at K. K. Wagh Institute of Engineering Education and Research, Nashik in blended mode. On this day, lecture on “Science in Technology and Innovation” by Dr. H. R. Kulkarni, Principal of the J. S. P.M. College of Commerce and Science, Pune, was organized. The program began with, Principal Dr. K Nandurkar reviewing the progress of the institute in various fields and the various activities being implemented by the institute for the students up gradation and advancement. On this occasion, Dr. H. R Kulkarni considerably noted the importance of science in day-to-day life; he expressed his strong views on how human life has become pleasant by using Science & Technology and thoroughly guided the audience on the various opportunities and challenges of science in future. About 200 students and teachers participated in the event.

■ **QUAD Vehicle Skill Programme**

A Six Days Quad Vehicle Professional Skilling Program for Engineering Students under AICTE Idea Lab was organized during 5 – 10<sup>th</sup> February 2023. It was inaugurated at the hands of Principal Dr. K. N. Nandurkar. The objective of the program is to provide participants with hands on practice for building the all-terrain vehicle design and manufacturing. Also, it provides opportunities to participants to work in team, build integrity and work in multi disciplinary fields. This Skilling Program throws light on successful implementation various new technologies to prepare prototypes and enhance technical skills.

continued on page 5



Principal Dr. K. N. Nandurkar addressing to participants



Celebration of Marathi Bhasha Gaurav Din



Participants of the Six Days Quad Vehicle Professional Skilling Program

**Felicitation of placed Students AT SGGs Polytechnic, Nashik**



Felicitation of Placed students along with their parents

The Felicitation program was organized for the students who placed in their final year of Engineering of our institute and who completed their Diploma from SGGs Polytechnic Nashik. The program was organized at SGGs Polytechnic Nashik. Principal Dr. K. N. Nandurkar and Dr. P. K. Shahababkar (TPO) along with Principal SGGs Polytechnic Nashik Prof. S. R. Upasani felicitated to placed students as well as their parents during the program. The students and parents appreciated the efforts taken for placement of the students during their speech in the program.

**Celebration of Marathi Bhasha Gaurav Din**

On occasion of Marathi Bhasha Gaurav Din on 27<sup>th</sup> February 2023, the program of reading of poems was organized by Central Library of our institute. Staff members and students of the institute participated in the same.

**Congratulations**

Principal Dr. K. N. Nandurkar received Best Principal Award (Professional College) from Savitribai Phule Pune University Pune. He was felicitated at the hands of Chairman Shri Sameer Wagh and Dr. Balasaheb Raskar, Joint Secretary of Government of Maharashtra for his achievement. He was also felicitated at Savitribai Phule Pune University on 10<sup>th</sup> February 2023 during the program of University Foundation Day by the hands of Vice Chancellor of Pune University Dr. Karbhari Kale.



Felicitation of Principal Dr. K. N. Nandurkar



Felicitation of Principal Dr. K. N. Nandurkar at SPPU Pune

### ■ Congratulations



Best Institute Award

Our institute has selected as “Best Institute” and Prof. Seema Baji was selected as “Best District level coordinator” respectively in the competition organized under career Katta (An initiative of higher and technical education, Govt. of Maharashtra). The Career Katta initiative is beneficial for students who wish to appear for the Competitive examinations after graduation.

### ■ Expert Lecture/Seminar/Courses/Workshop Conducted:

- Computer Engineering Department organized Five days Ideation workshop on “Design thinking and Innovation” from 13<sup>th</sup> to 17<sup>th</sup> February 2023 for creating awareness about new concepts and technologies.
- Electronics and Telecommunication Engineering Department organized an Expert talk on “Introduction to Tinker CAD” by Mr. Pravin Wankhede, Assistant Professor, E &TC Department, SSGMCOE, Shegaon on 03/02/2023.
- Mechanical Engineering Department organized expert lecture on “Career Opportunities in engineering industry as a CAD CAM CAE Professional” by Mr. Sanjay Kothekar on 17/02/2023 and an Expert lecture on “GATE Exam Preparation” by Mr. Vishal Patil on 20/02/2023.
- Electrical Engineering Department organized Expert Session on “Industrial Revolution 4.0” by Ms. Nirali Sharma, Engineer, Nido Machineries, Nashik on 11/02/2023, Expert Session on “Overview of Protection Systems for Distribution and Transmission Networks” by Mr. Gajanan Sarode, Deputy Executive Engineer, MSETCL Nashik on 14/02/2023 and Expert Session on “Energy Conservation and Audit” by “Mr. Pramod Daspute”, Deputy Executive Engineer, MSETCL Nashik on 12/02/2023.

- Chemical Engineering Department organized Expert Talk on “How to prepare GATE?” by Prof. Dr. Chandrashekar, Dept. Chemical Engg., Pondicherry Engineering College, Pondicherry on 01/02/2023, Expert Talk on “Energy Conservation & Audit” by Mr. Pramod N Daspute on 11/02/2023 and Faculty Development Program on “Ansys Fluent” jointly with InvesysCAD Solutions Nashik from 22/02/2023 to 24/02/2023.
- Dept. of Information Technology organized a session on “How to enhance Programming Skills?” by Mr. TanmayThakar, Engineering Manager-Escalation, Druva Data Solution, Pune on 4<sup>th</sup> February 2023 and a session on “Process of Innovation Development and Technology Readiness Level” by Dr. Trilok Kumar Jain, Professor and Dean and Director, Ecosystem for Innovation and Entrepreneurship, Pune on 8<sup>th</sup> February 2023. Same department also organized an online session on “Expectation from Young Engineer” by Mr. Shrikant Karode, Advisor SMES Training Institutes and Colleges, Nashik on 17<sup>th</sup> February 2023 and a session on “Hidden power within youth” by Mr. Dattatraya Aher, Ex. Principal Govt. ITI and Motivational Speaker, Nashik on 9<sup>th</sup> February 2023.
- MBA department of our institute organized Donation drive for Orphanage during 15 -28<sup>th</sup> February 2023. The collected items were delivered at KBH High School Girnare on 4<sup>th</sup> March 2023.
- MoU with GATE Tutor was signed on 24<sup>th</sup> February 2023 as a part of GATE preparation.
- Soft Skill Competition was organized for the students of the institute on 25<sup>th</sup> February 2023 to enhance the soft skills.

### ■ Expert Lecture/Seminar/Courses/Workshop Attended:

- Computer engineering department staff Prof. Dr. S. M. Kamalapur and Prof. I. Priyadarshini attended One-week online FDP on “Data Science”, organized by Department of Artificial Intelligence & Data Science, Computer Engineering, Dr. D Y Patil Institute of Engineering and Management Research, Akurdi from 6<sup>th</sup> to 10<sup>th</sup> February 2023. Prof. Dr. S. S. Banait attended Two days QIP for implementation of NEP 2020 conducted by MMIT, Lohgaon, Pune from 7<sup>th</sup> to 8<sup>th</sup> February 2023. Prof. C. R. Patil attended One-week FDP on “Advances and Practical building blocks in

continued on page 7



Block chain Technology” organized by MIT World Peace University from 13<sup>th</sup> to 17<sup>th</sup> February 2023. Prof. S. T. Patil and Prof. N. M. Pagare have attended Microsoft, SAP & AICTE ATAL -Faculty Development Program on “Cloud Computing” under TechSaksham from 30<sup>th</sup> January to 03<sup>rd</sup> February 2023. Prof. S. D. Jadhav and Prof. P. D. Rakibe attended 5<sup>th</sup> Technovation Hackathon organized by Sharada School of Engineering and Technology, Noida from 30<sup>th</sup> January to 4<sup>th</sup> February 2023.

- Information Technology Departmental staff Prof. Mrs. ShilpaMene successfully completed 5 days AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “Artificial Intelligence” from 21<sup>st</sup> to 25<sup>th</sup> February 2023 organized by Central University of Kerala.
- Artificial Intelligence & Data Science Department staff Prof. D. K. Sawant attended Faculty Orientation Program on “Data structures & Algorithms Lab” organized by Dr. D. Y. Patil Institute of Engineering, Management & Research, Akurdi, Pune on 16<sup>th</sup> February 2022. Prof. D. K. Sawant also attended Faculty Development Program on “Data Structures & Algorithms at Sandip Foundation's, Sandip Institute of Technology and Research Center, Nashik on 22<sup>nd</sup> February 2022. Prof. Dr. D. D. Bage attended Faculty Orientation Program on “Internet of Things Lab” at SNJB's Late Sau. K. B. Jain College of Engineering, Chandwad on 21<sup>st</sup> February 2022

#### ■ Other Achievements

- Principal Dr. K. N. Nandurkar was invited as Chief Guest for “Gun Gaurav Sohala” at Gurukul Hostel Bhausahbnagar on 26<sup>th</sup> February 2023.
- Principal Dr. K. N. Nandurkar, Prof. V. R. Takate along with Mr. Ajinkya Wagh visited Bableshtar site of Agriculture College of our Society as a part of interaction with other institute of K. K. Wagh Education Society.

#### ■ Abstracts of papers presented during Feb 2023 SWOT Analysis in Engineering Classes using Audience Response System

Dr. Preeti D. Bhamre and Prof. Nitin M. Shahane  
(Presented in IUCEE, *Indo Universal Collaboration for Engineering Education 2023, 10<sup>th</sup> International Conference on Transformations in Engineering Education*, Organized by: Vidyavardhaka College of Engineering, Mysuru, Karnataka, India, during

5<sup>th</sup> to 8<sup>th</sup> January 2023 and received best paper award)

**Abstract:** Feedback is central to the development of student learning. The purpose of feedback is to address the learning gaps at the earliest possible stage of learning cycle. This paper presents the use of instant feedback in classes with the help of Audience Response System (ARS) in teaching of a First Year Engineering subject. The ARS is used to pose a few questions intermittently during a lecture on students' mobile phone. The students' responses are used to identify the Strengths, Weaknesses, Opportunities and Threats (SWOT) based on correctness and confidence levels. SWOT analysis of every individual student allows a teacher to provide personalized coaching on the basis of the topics identified as areas of opportunity, threat and weakness. The performance of the entire class is also monitored at regular intervals.

**Keywords:** Audience Response System; Continuous and Comprehensive Assessment; Instruction; Learning Outcomes; Teaching-Learning.

#### ■ Design and Implementation of Deep Learning Method for Disease Identification in Plant Leaf

Rais Allauddin Mulla, Mahendra Eknath Pawar, Dr. Satish S. Banait, Dr. Samir N. Ajani, Madhuri Pravin Borawake & Dr. Sheela Hundekari

(Published paper in International Journal on Recent and Innovation Trends in Computing and Communication)

**Abstract:** In the whole agriculture plays a very important in country's economic condition especially in Indian agriculture has a crucial role for raising the Indian economic structure and its level. India's frequent changing climatic situation, various bacterial disease is much normal that drastically decreases the productivity of crop productivity. Most of the researcher is moving towards into this topic to find the early detection technique to identify the disease in small green leaves plants. A single, micro bacterial infectious disease can destroy all the agricultural small green leaves plants get damaged overnight and hence must be prevented and cured as earliest as possible so that agriculture production. In this research work, we had tried to developed a green small green leaves plants bacterial disease early detection system

continued on page 8



based on the deep learning network system which will detect the disease at very earlier state of symptoms observed. Deep learning technique is has various algorithms to detect the earliest stage of any of the procedural processing of any bacterial infections or disease. This paper consists of investigations and analysis of latest deep learning techniques. Initially we will explore the deep learning architecture, its various source of data and different types of image processing method that can be used for processing the images captured of leaf for data processing. Different DL architectures with various data visualization's tools has recently developed to determine symptoms and classifications of different type of plant-based disease. We had observed some issue that was unidentified in previous research work during our literature survey and their technique to resolve that issue in order to handle the functional auto-detection system for identifying the certain plant disease in the field where massive growth of green small green leaves plants production is mostly done. Recently various enhancement has been done in techniques in CNN (convolution neural network) that generates much accurate images classification of any object. Our research work is based on deep learning network that will observe and identifies the symptoms generated in leaflet of plant and identifies the type of bacterial infection in progress in that with the help of plant classification stated in the plant dataset. Our research work represents the implementation DCGAN and Hybrid Net Model using Deep learning algorithm for early-stage identification of green plant leaves disease in various environmental condition. Our result obtained shows that it has DCGAN accuracy 96.90% when compared with Hybrid Net model disease detection methodologies.



Prof. Dr. K. N. Nandurkar  
PRINCIPAL

