



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

September 2023

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■ **Ganesh Festival Celebration**



Shri Ganesh Festival Celebration

The Ganesh Festival was celebrated on the College ground. Every day guests were invited for Aarti in the evening. Mr Ajinkya Wagh, Principal Dr. K. N. Nandurkar felicitated the various guests who visited in Pendol during Ganesh Festival. The guest visited includes Mr Sunil Nyayade (Sr. Police Inspector, Adgaon Police station), Mr Suresh Khetade (Ex Corporator, Panchavati), Mr Anil Patil (Circle Officer), Mr Anand Khare (Chhatrapati Award Winner), Mr Manoj Mhaske (National Coach). Mrs Poonamtai Mogare (Ex Corporator). Shri Udhavbaba Nikam (Ex Corporator), Mr Anil Shinde (Sr. Police Inspector, Panchavati), Shri Bachhav (Dy Police Commissioner), Mr Ruchi Kumbharkar (Ex Corporator), Mr Rajendra Satpurkar, Mr Nitin Jadhav (Assistant Police Commissioner), Mr Nitin Malode and Mr Subhash Pawar (Sr. Police Inspector). Various activities and programs were organized during the Ganesh Festival at College Ground.

■ **Visit to NEC on 16th September 2023**

The On 16th September 2023, Hon. Sameer Wagh, Chairman, K. K. Wagh Education Society, Nashik and Principal Dr. K. N. Nandurkar visited to Nashik Engineering Cluster (NEC) for interaction with Director of IIT Bombay. The event was organized by IITB Alumni Chapter (Nashik) where prominent

leaders from industry and various educational institutes in the city were present. This is the initiative as a part of interaction with institute of National importance.



Visit to NEC Nashik

■ **Essay Writing Competition**



Chief Guest with the winners of Essay writing competition

An ISTE students' chapter of our institute organized an Essay Writing Competition on 20th September 2023. The event was held in a completely offline manner with a response of 300 participants. The event was conducted in the presence of Chief Guest Mr. Avinash Khairnar, Principal Dr. K. N. Nandurkar, Prof. Dr. Pramod Shahabadkar (T&P Officer), Prof. Deepali Shimpi (Faculty Advisor of ISTE Students' Chapter), Prof. Ramesh Bhandare (ISTE Faculty Co-coordinator) and Prof. Snehal Chaudhari (Faculty Member). The



competition was held under the guidance of Principal Dr. K. N. Nandurkar. The event began with the lighting of the lamp, followed by the felicitation ceremony. The topics were inspired by the 350th coronation ceremony of Chhatrapati Shivaji Maharaj, as suggested by department of Technical Education. The topics for the English Essay Writing Competition were:-

1. If Chhatrapati Shivaji Maharaj wasn't born
2. Coronation of Chhatrapati Shivaji Maharaj
3. Fortune of India-Chhatrapati Shivraj
4. Hindu Swaraj to Hindu Empire
5. Remembering Shivraj
6. The All-Pervading Chhatrapati Shivaji
7. Chhatrapati Shivaji Maharaj and his War policies.

The essays were assessed anonymously by external judges - Namrata Mehta, Deepali Suryawanshi and Shobha Zhunjare, on the basis of various factors such as Presentation, Relevance of theme, Originality, and Command on language. The complete evaluation process was impartial and handled by professionals. The chief guest for the day, Mr. Avinash Khairnar, owner of Sarthak Engineers in Nashik, shared his valuable experiences with the young generation, in order to guide and inspire them. He emphasized upon the importance of taking significant steps right from the beginning and maintaining consistent effort towards their goals. He also commended the ISTE members for their outstanding initiative in organizing such events and encouraged all participants to actively engage in such activities that help in shaping their personalities. In conclusion, he extended his congratulations to the event's winners and encouraged all other participants to continue their hard work and dedication in their future endeavors.

■ Felicitation of Blind Students



During Ganesh Festival, 20 girl students of Om Sai Welfare Association for the Blind and Disabled (India) felicitated with white-stick and cloth. 40 girl students of NAB (National Association for the Blinds, Maharashtra) felicitated with kit containing daily use items and

sweets. Mr Ajinkya Wagh, Mrs. Awantikatai Ajinkya Wagh, Principal Dr. K. N. Nandurkar, Prof. P. T. Kadve and Prof. Dr. N. B. Gurule were present on this occasion.



Felicitating of Blind during Ganesh Festival

■ Teacher's Day Program



Felicitating of Chief guest Dr. Vinayak Govilkar

Teachers Day was celebrated at K. K. Wagh Institute of Engineering Education and Research Nashik on 8th September 2023. On this occasion Dr. Vinayak Govilkar, Eminent speaker and Economist was present as the chief guest. Principal Dr K. N. Nandurkar felicitated to Chief guest. Principal, Dr. K. N. Nandurkar, has highlighted the progress of the organization in 50 years and also the future plans in his introductory speech. Dr. Vinayak Govilkar has mentioned in his guidance, Teachers should improve themselves by understanding and developing their own abilities. By leading a happy and content life, they can inspire others and continue their important job of teaching. A teacher's success is reflected in the achievements of their students. On this occasion the staff that who have completed their 10, 20 and 30 years of service with the institute were felicitated.

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■ Udyojakta Vikas Yatra



Udyojak Yatra

A “Udyojakta VikasYatra” was organized by Akhil Bharatiya Vidhyarthi Parishad from 28th August 2023 to 15th September 2023 in Engineering Colleges, Diploma Colleges, ITI Colleges Junior-Senior Colleges, and MBA Colleges of Maharashtra including Nashik, Nagar, Pune, Satara, Sangali and Kolhapur. Yatra visited our Institute on 11th September 2023. Yatra consist of Hitech Visual Audio LED Rath, Awareness about Entrepreneurship, Workshop, Guidance session and 5 Lakh information brochures. The objective of Yatra is to create awareness about different Government scheme like Pradhanmantri Kaushal Vikas Yojana, Skills India, Startup India- Standup India, Incubation Centres, Infromation about Idea Innovation and Satrtup. Welcome of vehicle in the institute porch was done in presence of Mr Ajnkya Wagh and Principal Dr. K. N. Nandurkar.

■ IQAC Meeting



IQAC Meeting

Internal Quality Assurance Cell (IQAC), K. K. Wagh Institute of Engineering Education and Research, Nashik has organized a Meeting on 9th September 2023 at 3.00pm in IQAC Hall. There were 11 IQAC members present including external members Mr. Rohit Kulkarni, Dr. Rajendra Sangle and Mr. Nilesh Bhor for the meeting. Principal Dr K. N. Nandurkar felicitated to external members during the meeting. Review

of IQAC Activities from April 2023 to August 2023 and Planning of IQAC Activities from September 2023 to December 2023 were discussed in the meeting.

■ Engineers Day Celebration



Felicitation of Chief guest Mr. Narendra Golia



Publication of College magazine “Horizon”

Engineers Day was celebrated at K. K. Wagh Institute of Engineering Education and Research Nashik on 18th September 2023. On this occasion Mr. Narendra Golia, CMD, Rishabh Instruments Pvt. Ltd. Nashik was present as the chief guest. Principal, Dr. K. N. Nandurkar highlighted the progress of the organization in 50 years and also the future plans in his introductory speech. Mr. Narendra Golia has mentioned in his guidance, “Engineers play a vital role in society by bringing about significant changes. This, in turn, enables teachers to impart knowledge effectively and contribute to continuous development”. College magazine “Horizon” was published on this occasion at the hands of Mr. Narendra Golia. Also the staff members who published the research papers in peer reviewed journals and completed the PhD during last academic year were felicitated for their achievements at the hands of Chief guest.

■ Alumni meet of IIT Bombay at Hotel Blu Radison, Nashik

Alumni meet of IIT Bombay was organized by IIT Bombay-Nashik Chapter on 18th September 2023 at Hotel Blu Radison, Nashik. It was a great

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occasion to have our seven staff members (who are alumni of IITB) with Hon. Director of IITB Prof. Subhasis Chaudhari and Dean Alumni and Corporate Relations (ACR) Prof. Ravindra Gudi at Hotel Radisson Blu, Nashik. Principal Dr. K. N. Nandurkar, Ex Principal of KKWIEER Dr V. D. Barve, Prof. Dr. S. S. Sane, Dr P. D. Bhamre, Dr. M. N. Shelar, Dr. S. D. Barahate and Dr V.S. Patil attended the said Alumni meet. Our staff members interacted with Alumni of IIT Bombay in Nashik to seek their collaboration for various initiatives of the institute.



Staff of College with Director, IIT Bombay

■ Lecture by Prof. Ruby Uniyal, Psychologist

A Motivating session on Balancing Emotions & Well Being on 22nd September 2023 was organized for 3rd Year Engineering students of our institute. The expert speaker, Prof Ruby Uniyal, Psychologist and HOD of KTHM College, enriched the students by the powerful and motivating words and life connected examples. This was explained with the day to day practical examples & has motivated the aspiring engineers of KKWIEER, to take life in more positive manner.

■ CEO Connect Program



CEO Connect Programme

19th CII CEO Connect program was organized in the institute on "How to Identify yourself before campus Selection" by Dr. Gaurav Samnerkar, Founder & Managing Director & CEO, SAMTEK Group of Companies. Dr. Samnerkar shared in detail about the preparation required for getting selected through campus interview and how to face the interview. Initially, Principal Dr. K. N. Nandurkar felicitated the Chief Guest and shared

CII and its activities, TPO Pramod Shahabadkar introduced Dr. Gaurav Samnerkar and Dr. S S Sane proposed the vote of thanks.

■ Board of Exam Meeting



Board of Exam Meeting

Board of Examination under Autonomy meeting was held on 27th September 2023 in hybrid manner. Following members were present for the meeting: Dr. Mahesh Kakade University Nominee (Director, BOEE, SPPU, Pune), Prof. Dr. Keshav N. Nandurkar Director and Chief Controller of Examination, Prof. Prakash Atkare, External Academician, Shri. Rushikesh Wakadkar Expert from Industry, Dr. Shirish S. Sane, Dean, Administration, Prof. Dr. Sunil Kute, Dean, Academics, Prof. Dr. Dinesh M. Chandwadkar, HoD Representative and Prof. Dr. Kailas S. Holkar Member Secretary & Controller of Examination.

Dr. Mahesh Kakade appreciated the efforts taken by institute for smooth conduct of the examination and declaration of results as per schedule

■ Blood Donation - Birthday Drive

The Karmveer Birthday Blood Donors' Club was inaugurated by Principal Dr. Keshav N. Nandurkar and Regional Blood Transfusion Officer Dr. Purushottam Puri in the K K Wagh Engineering campus on 2nd September 2023. Thereafter, the blood donation van and staff members of Regional Referral Hospital, Nashik

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are made available daily in the campus from 11:30 am to 01:00 pm. Around 350 blood bags are collected in the month of September 2023. The blood donation camp was also organized on occasion of K. K. Wagh Ganesh Festival - 2023 in the K. K. Wagh Engineering campus in association with Regional Referral Hospital, Nashik on 22nd September 2023. Total 61 bags of blood were collected in this camp.



Inauguration of Blood Donation



Blood Donation Camp

■ Celebration of NSS Day



Celebration of NSS Day

The NSS day was celebrated on 25th September 2023 by the NSS unit of the institute. Dr. Purushottam Puri (Regional Blood Transfusion Officer, Nashik) was the chief guest for this function. He guided the NSS volunteers about the Benefits of Blood Donation.

■ Expert Lecture/Seminar/Courses/Workshop conducted:

- Computer engineering department has organized One week of Virtual National Level Faculty development program on “CLOUD INFRASTRUCTURE (AWS)” by Mr. Buddha Chandrashekhar, Dr. Ganesh Nag and Ms. Ysaswi from 21st to 25th September 2023.
- Civil Engineering Department has organized Expert lecture on “Bridges of Maharashtra-Types and key features” by Er. Vikas Ramgude, Chief Engineer, PWD, Nashik on 02/09/2023, Expert Lecture on “Advanced Concrete Technology” by Dr. Sudhir Somnath Pathak on 20/09/2023 and Expert Lectur on “Advanced Concrete Technology” by Er. Mayur Mukesh Jain on 25/09/2023.
- Electronics and telecommunication department has organized Expert talk on “TINA-TI Introduction” by Mr. Dipankar Kharta, IOT Software Developer, Rishabh Instruments, Nashik on 16/09/2023, Expert talk on “Introduction to Distributed Control System” by Mr. Jayesh Vyavhare, System Engineer, Emerson, Nashik on 23/09/2023 and Expert talk on “Durg Sanskruti” by Mr. Devdatta Gokhale, Director at Gokhale's Advanced Training institute, Jalgaon, ELTIS Certified Trainer in soft skills on 23/09/2023.
- Mechanical Engineering department has organized Battery Ancillary Service & Induction to FY Students by Mr. Hitesh Shinde on 07/09/2023 and expert talk on “IoT and Robotics Technology” by Mrs. Sushma Patil on 22/09/2023.
- Chemical Engineering department has organized expert talk on “Overview of Chemical process calculations by Prof. Dr. C. V. Subbarao, MVGRCE(A), JNTU Kakinada on 05/09/2023, Expert Talk on “Career Opportunities for Chemical Engineers in IT Sector” by Vishesh Mahadik on 09/09/2023 and Expert Talk on :GATE Exam preparation” by Mr. Ketan Gandhi on 16/09/2023.
- Dept. of Information Technology organized a session on “Current State of Generative AI and How to chat with your PDF” by Mr. Mayur Patil, CTO at Aurelia Innovative and Principal Trainer at Logic waves Academy, Nashik on 20th September 2023.



- Department of Artificial Intelligence has organized expert lecture on “Implementation of parallel algorithm on GPU using CUDA” by Mr Shailesh Kankrej on 25th September 2023 and Expert talk on “Generative Artificial Intelligence” by Mr. Ashish Khedkar on 12th September 2023.
- Department of Science has organized expert lecture on Self Exploration by Swami Shri Kanthananda, Promoter of Jagrut Nashik, Jagrut Bharat Abhiyan on 1st September 2023.

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

- Information Technology Department staff Prof Smita Chaudhari attended in one week FDP on “NextGen Computing: Blockchain and AI” organized by Department of Information Technology, Marathwada Mitra Mandal's College of Engineering, Karve Nagar, Pune in association with The Institution of Engineers (India), Pune Local Centre & SoftTech Data Securities held from 04th to 08th September 2023. Prof. Rupali Bora attended the one day FDP on “Patent awareness organized by Techno treon Innovation Academy” in association with MET Institute of Engineering, Nashik on 09th September 2023.
- Department of Artificial Intelligence staff Namrata D Ghuse has completed industrial training at Atma Malik Institute of Technology & Research Centre, Mumbai from 06/09/23 to 12/09/2023. Prof. V. B. Bhamare has attended workshop on Unlocking Data Visualization in Power BI from 04th to 08th September 2023.

■ **Other Achievements**

- Meeting with Mr Rajesh Pandit of “NAMAMI GODA Foundation” was conducted in the institute on 25th September 2023 about cleanliness drive planned on 2nd October 2023.

■ **Abstracts of papers presented during September 2023 Particle Swarm Optimization based Simulated Annealing Approach for Robot Inverse Kinematic Solutions**

Dr. P. J. Pawar and Dr. K. N. Nandurkar
(Presented in an International Conference on Advanced Engineering Optimization through Intelligent Techniques' organized by SVNIT Surat during 28-30 Sept. 2023.)

Abstract: For complex robot structure involving large number of DOF as well as for long paths, the traditional methods are usually inadequate, very complex, and very slow. Moreover, there is great risk of getting these methods trapped into local optimal solution. Hence soft computing methods are preferred over traditional methods to solve the robot inverse kinematic problem. Although, particle swarm optimization (PSO) algorithm has been successfully applied to many real life problems including robot inverse kinematics, it suffers from a drawback of low convergence speed. This is mainly due to absence of appropriate strategy to update the global optimum solution in each iteration. To overcome this drawback of PSO algorithm, an attempt is made in this work to employ hybrid of particle swarm optimization and simulated annealing (SA) for solving inverse kinematics problem of a non-standard robot. The result shows that, hybrid PSO-SA algorithm outperformed both PSO and SA algorithms.

Keywords: Inverse kinematics. Particle swarm Optimization. Simulated Annealing. Hybrid PSO-SA algorithm.



An Expert Lecture by Dr. Sudhir Pathak on “Advanced Concrete Technology”



An Expert Lecture by Mr. Mayur Patil on “Current State of Generative AI and How Chat with your PDF”

Prof. Dr. K. N. Nandurkar
PRINCIPAL

