

■ **Visit of Prof. Dr. V. G. Gaikar
(EX. VC, BATU, Lonere)**



Felicitation of Chief Guest Dr. V. G. Gaikar

Prof. Dr. V. G. Gaikar (Ex VC BATU Lonere and Professor of Chemical Engineering, ICT Mumbai) visited our institute on 26th August 2023. Chairman Shri. Sameer Wagh felicitated Dr. V. G. Gaikar on this occasion. The expert talk of Dr. V. G. Gaikar was organized for faculty. Dr. V. G. Gaikar emphasized on Student centric education and he explained with different practical examples about how the teaching can be done effective through active learning. The other expert Mrs. Ramjanaki Iyer (Faculty, ICT Mumbai) spoke on interpersonal skills. She conducted an activity based on The Johari Window Model. For the program Secretary Prof. K. S. Bandi, Principal Dr. K. N. Nandurkar, all Principals and Heads of departments and staff of various Colleges of K. K. Wagh Education Society were present.

■ **Induction program for First Year B.Tech. Students**

The Department of Applied Science of K. K. Wagh Institute of Engineering Education and Research organized F.Y. B.Tech. induction programme from 7th to 19th August, 2023. The induction program was conducted in an online mode from 7th to 9th August, 2023 and in offline mode during 10th to 19th August,

2023. Online Induction program included: Expert Session of Prof. Apurva Jakhadi (NASA- Honeywell Space Educator and ISRO Space Tutor) on the topic "Insights into Chandrayaan-3 and Missions" which was conducted on 7th August. Expert Session of Aaditi Pidurkar (Coordinator, Nirman Search, Gadchiroli) on the topic "NIRMAN: Youth for purposeful life" which was conducted on 8th August and an Expert Session of Dr. Y. S. Patil (Professor and HOD Civil Engineering Department, Shivajirao S. Jondhale College of Engineering and Technology, Asangaon) on the topic "Basic Human Aspirations and their Fulfillment" was conducted on 9th August. Offline Induction program included: Welcome Drink Program based on lectures to clear basic scientific concepts and activity based sessions for skill development. Various activity based sessions were conducted including "Origami" by Prof. Pravin Mehetre; "Scope for Engineers in Space Science" by Mr. Pushkar Hiray; "Effective Communication" by Prof. S. A. Tewari; "Mega trends in Industries" by Mr. Ganesh Kothavade; "Expectations from young Engineers" by Mr. Shrikant Karode; "Engineers and Health Care Industry" by Mr. Kaustubh Hiray; "Vivekanand and Youth" by CA Yogesh Panchakshari; "Music Mehfil" by Prof. Anand Atre; "Human Psychology" by Shirish Raje; "Appreciation of an Art (Visual and Performing)" by Mrs. Deepa Bakshi and "Gender Sensitization" by Dr. Seema Ghangale. Hon. Director Dr. K. N. Nandurkar welcomed the newly admitted students and their parents. During these sessions the future journey of 4 year engineering has been elaborated by Dean Administration Dr. S. S. Sane, Head of department of Computer and AI-DS Engineering, Dr. S. Y. Kute, Dean Academics, Dr. V. K. Patil, F. Y. Coordinator, Dr. P. D. Bhamre, HoD IT, Dr. P. J. Pawar,

HoD R& A, Dr. V. S. Mane, HoD Chemical Engineering, Dr. S. P. Ugale, Academic coordinator, E&TC, Dr. Manish Shelar, Academic Coordinator, Mechanical Engineering, Dr. Sharad Dhamal, Electrical Engineering. Innovation and Idea lab information was provided by Dr. R. K. Munje and a Session on TPO connect was conducted by Dr. P. K. Shahabadkar, TPO. The Induction program was organized by the Department of Applied Science and coordinated by Dr. Ms. A. C. Pawar, HoD Applied Science & Maths, Dr. Ms. D. Y. Patil and Dr. G. B. Dabhade. 800 students attended the Induction program.



Director Dr. K. N. Nandurkar addressing the Students

Interaction of experts on 22nd August 2023



Felicitation of Prof. Dr. P. J. Kulkarni

An expert session of Dr. P. J. Kulkarni (Ex-Dy. Director, Walchand COE, Sangli) was arranged for the faculty members of the Computer, AIDS, CSD, IT and MCA department, on 22nd Aug 2023. He gave insights on teaching learning experience, challenges of autonomy, NEP etc. It was an interactive session; faculty members also shared their experiences of teaching learning process. Prof. Dr. S. S. Sane (Dean Admin and HOD Computer) and Prof. Dr. P. D. Bhamre (Dean Quality and HOD IT) were present on this occasion. Also an interaction of expert Dr. Shrikant Kallurkar, Ex Principal, Atharva College of Engineering, Malad (W), Mumbai was organized for MCA students on same day on topic "Stress Management and Career Opportunities"



Expert Mr. Shrikant Kallurkar interacting to students

Visit by Experts to AICTE Idea Lab



Visit of Experts to AICTE Idea lab of our institute

Senior Educators in the field of Technical Education Dr. Shashikant S. Halkude (Principal, WIT Solapur), Dr. Shrikant Kallurkar (Ex Principal, Atharva College of Engineering, Malad (W), Mumbai) and Prof. P. J. Kulkarni (Ex Dy. Director, Walchand College of Engineering) visited AICTE IDEA Lab of our institute on 23rd August 2023. Principal Dr. K. N. Nandurkar and Dr. R. K. Munje accompanied with them. Experts appreciated the efforts taken by the KKWIEER AICTE Idea Lab and advised to encourage students for making more multidisciplinary projects which are useful for society.

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■ Visit of KPIT Team



Visit of KPIT Team

A team from KPIT Technologies, Pune lead by Mr. Divyesh Desai, Vice President, KPIT Technologies and alumnus of K. K. Wagh Institute of Engineering Education & Research, Nashik visited the institute for conducting campus interview for 2023-24 batch on 08th Aug. 2023. During his visit meeting with K. K. Wagh leaders was arranged to explore the areas of cooperation in general and specifically innovation activities in the institute.

■ MCA Induction Program



Director Prof. Dr. K. N. Nandurkar addressing MCA students

Department of MCA, of K. K. Wagh Institute of Engineering Education and Research organized Orientation Program for newly admitted students of First year MCA from 9th to 12th August 2023. Welcome function was organized on 9th August 2023 for FYMCA 2023-24 batch students. Ms. Mamta Patel, Project Manager, Winjit Technologies Pvt. Ltd. Nashik was the Chief Guest for the welcome function. Prof. Dr. K. N. Nandurkar, Director, KKWIEER, Dr. S. Y. Kute, Academic Dean, Dr. V. C. Bagal, Head of Dept. of MCA and Ms. M. E. Maniyar, Admission coordinator of MCA Department were the dignitaries for the welcome function. Dr. K. N. Nandurkar addressed the students with brief introduction of institute, achievements and rankings. He explained the vision and mission of the institute. He also informed the students regarding AICTE sponsored IDEA Lab and motivated the students to take advantage of facilities available in the institute. Ms. Mamta Patel graced the function with her motivating speech. She shared her experience from college life to corporate life.

■ Independence Day Celebration



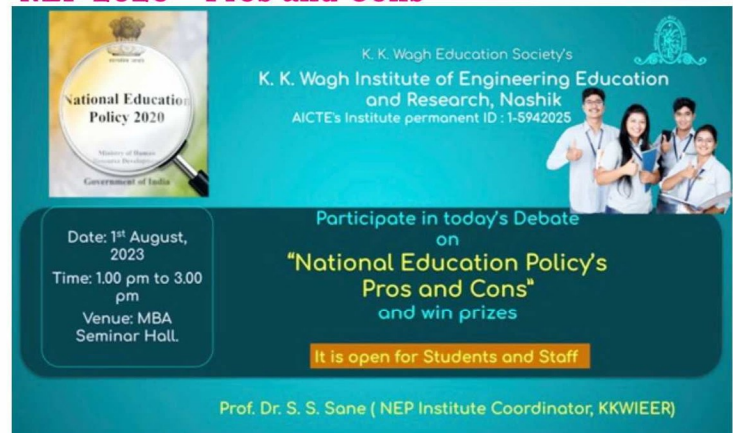
Independence Day celebration



Member also garlanded the statue of late Hirabai Haridas

The Independence Day was celebrated with full honour on 15th Aug. 2023. The National Flag was hoisted at the hands Ms. Riti Merchant. On this occasion Hon Rashmi Merchant, Shri Bipin Ashar, Hon Trupti Ashar, Principal Dr. K. N. Nandurkar, Dr. S. S. Sane, Principal P. T. Kadve, Principal Dr. Salunkhe and PRO Sanjeev Ahire were present. All staff members from all the Institutes of this campus and students from girls and boys hostels were present for the program. Hon Riti Merchant and Principal Dr. K. N. Nandurkar addressed to all staff and students on this occasion. Member also garlanded the statue of late Hirabai Haridas on this occasion.

■ A Debate competition on the topic of "NEP 2020 – Pros and Cons"



K. K. Wagh Education Society's
K. K. Wagh Institute of Engineering Education
and Research, Nashik
AICTE's Institute permanent ID : 1-5942025

Participate in today's Debate
on
**"National Education Policy's
Pros and Cons"**
and win prizes

Date: 1st August,
2023
Time: 1:00 pm to 3:00
pm
Venue: MBA
Seminar Hall.

It is open for Students and Staff

Prof. Dr. S. S. Sane (NEP Institute Coordinator, KKWIEER)

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Participants while debating on the topic of NEP 2020

A debate competition for the students of the institute was organized on the topic of "NEP 2020 – Pros and Cons". It was conducted at Seminar Hall, Department of MBA. The speaker for the session and Member of NEP Cell of Institute Prof. Dr. S. S. Sane, Dean (Administration) and Head of (Computer Engg, AI-DS and CSD) gave the guidelines and initiated discussion on the topic of NEP. Students from different departments participated during the debate session. Students provided their opinions on the NEP-2020 and discussed about implementation aspects and features of the policy as compared to earlier education policy.

The winners of the debate were declared at the end of the session as follows:

For First position:

1. Krutika D. Jathe (Robotics & Automation Engg.)
2. Hitesh K. Patil (Computer Engg.)

For Second Position

1. Gaurav R. Mystery (Electrical Engg.)
2. Tanaya Upasani (Chemical Engg.)

Expert Lecture/Seminar/Courses/Workshop conducted:

- Computer Engineering department organized One week of Virtual National Level Faculty development program on "Cloud Infrastructure (AWS)" by Mr. Buddha Chandrashekhar, Dr. Ganesh Nag and Ms. Yaraswi from 21st to 25th August 2023.
- Civil Engineering Department has organized Expert lecture on "How to write effective CV (Biodata) & How to face corporate interview" by Prof. Punit Neb on 10th August, 2023.
- Department of Robotics & Automation organized expert lecture on "Need of Electronics in Robotics & Automation Industry" by Mr. Sanjay Chaudhari, Electronics Study Centre, Nashik on 31/08/2023.
- Mechanical Engineering department organized an expert talk on "Opportunity as CFD engineer in technical safety with Gexcons FLACSCFD software" by Mr. Ankit Gujrathi, Pratik Shinde, Gexcon India Pvt. Ltd. on

05/08/2023, Awareness of Ansys-STK software by Mr. Dhanish Khader on 08/08/2023 and Expert session on "Innovation Autobahn accelerating ideas in German university Towns" by Mr. Rajat Chavan on 29/08/2023. Same department also organized Three Days Hands-on workshop on "Creo and Production Drawing" in collaboration with IET Nashik local network from 24th to 26th August 2023.

- Department of Chemical Engineering organized an expert talk of Prof. Dr. V. G. Gaikar (Ex VC BATU Lonere and Professor of Chemical Engineering, ICT Mumbai) to Chemical Engineering students of our institute on topic "Opportunities for Chemical Engineers" on 26th August 2023.
- Department of Information Technology organized a session on "Startup and Women Empowerment" by Ms. Premlata Manish Mishra, Director - Advent Power Tech Pvt. Ltd. Nashik on 3rd August 2023 and a session on "Industry readiness through Final year Projects" by Mr. Amogh Kulkarni, Software Engineer, KPIT Technologies, Pune on 8th August 2023. Same department also organized a session on "Introduction to Startups and Entrepreneurship" by Mr. Raja Shekhar Malapati, CSIR Senior Research Fellow in Computer Science from Indian Statistical Institute, Kolkata on 24th August 2023.

■ Congratulations!



Felicitated of Ms. Riddhi Singhavi

Miss Riddhi Singhavi won the prizes worth Rs.10,000/- from Savitribai Phule Pune University, Pune for excellent performance in Sport (Roll Ball). Principal Dr. K. N. Nandurkar felicitated to her for her achievement. Her father Mr. Rajendra Singhavi and Physical Director T. K. Kandekar were present on this occasion.

■ Congratulations to team Brahmastra as Winner



Team Brahmastra with Hon. Chairman, K.K. Wagh Education Society & other leaders

Team Brahmastra Quad is one of the oldest teams under the K. K. Motorsports body which was established in the year 2015. This club is for ATV enthusiasts where students design and manufacture ATV Quad bikes for national level competitions. Students from Mechanical, Electrical, Robotics and many other branches participate in this team. These competitions help us budding engineers to apply our knowledge practically and enhance it. From the designing, manufacturing to the testing of our vehicle everything is done by the students. There are two main events of quad bike Quad Torc and QBDC. Recently our team participated in Quad Torc which is conducted by Indian Society of New Era Engineers (ISNEE). There are various static events like Business plan, cost report, CAE, design report also dynamic events like kill the hill, suspension test, endurance, mud walker etc. In 2021 our team was AIR 1 in Quad Torc virtual event also again in 2022 we secured AIR 1. And this year we are proud to announce that we have again bagged the championship with AIR 1 Quad Torc season 9 (2023) organized by ISNEE Motorsports at Sistec campus Bhopal MP. Along with this we have got 11 other trophies of events: acceleration test, traction test, suspension test, maneuverability test, endurance and fuel economy, CAE presentation, design presentation, innovation award, cost presentation, business presentation as the gems of championship crown and one of our team members has also secured the title of best female award. Hon. Chairman Shri. Sameer Wagh felicitated all the winners for their achievements. Principal Dr K. N. Nandurkar, all Deans, Heads of department were present on this occasion. These competitions help us to steer our path towards technical and managerial expertise and in preparing us for the corporate world.

Death of Prof. Dinkar D. Barve (Ex.Principal)



Prof. Dinkar D. Barve (Ex Principal of our institute) died on 7th August 2023. Principal Dr. K. N. Nandurkar and all staff of institute expressed condolences. Prof. D. D. Barve was Principal of Institute during 1989-1993.

Prior to joining academics he had vast experience in the Corporate World. He initiated many academic and administrative reforms during his tenure.

■ Other Achievements

- Principal Dr K. N. Nandurkar was invited as member of Academic Council of Prof. Ram Meghe Institute of Technology Badnera (Autonomous Institute) on 22nd August 2023. He was also invited as Chief guest for Guru Shishya Smruti Competitions at Saraswati Nagar Campus on 31st August 2023.
- Principal Dr. K. N. Nandurkar and Prof. Dr. S. S. Sane (HOD Computer Engineering) visited to YCMOU Library and meeting with VC on 28th August 2023.

■ Abstracts of papers presented during July 2023 Chronic kidney disease prediction by using logistic regression and random forest model

Hariom Bade (BEIT), Abhishek Bandwal (BEIT), Suraj Gore (BEIT), Yash Harne (BEIT) & Prof. Dr. Preeti Bhamre

(Published in *International Journal of Creative Research Thoughts (IJCRT-2023)*, Volume 11, Issue 6 June 2023, ISSN No.: 2320-2882)

Abstract: Chronic Kidney Disease (CKD) is a global health problem with a high morbidity and mortality rate. In such a disease, there are very few symptoms at an early stage; however, as time passes, the disease results in several damages. Early detection of CKD enables the patient to receive timely treatment and gives them a chance to minimize the damage. The proposed project aims to use a combination of Logistic Regression and Random Forest algorithms for detecting CKD. According to the literature survey, the combination of Logistic Regression Random Forest yields the best accuracy. Voting classifier is used to ensemble both the algorithms. Hence, machine learning methodology is employed, and the CKD dataset from the University of California Irvine (UCI) is used for training and detecting CKD in the early stage.

Index Terms: Chronic Kidney Disease, Logistic Regression, Random Forest, KNN

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■ **Abstracts of papers presented during August 2023**
Design and Optimization of the Electric Motorcycle Chassis for Effective Battery Swapping

Dr. P. B. Kushare, P. D. Pillai, Dr. V. K. Matsagar & Dr V. S. Patil

(Presented in AICTE sponsored International Conference on Smart and Innovative Development in Science, Engineering and Technology (SIDSET-2023), BIT, Durg)

Abstract: Since the inception of the automobile industry, the incremental improvements in the Internal Combustion Engines have been observed. The IC Engine run vehicles are bulky, have many components and create air pollution, which is a major issue throughout the world. Now a day's technological advancement in the field of electric vehicle provides solution to every problem in a much more efficient way. This paper describes the design and optimization of the electric motorcycle chassis. In this work, optimization of chassis frame has been carried out to reduce the battery changing time. Air flow over chassis is used for cooling the batteries by forced convection. Proposed chassis design is validated using the results of structural and computational fluid dynamic analysis study. The optimized proposed model has achieved 40% of weight reduction of the electric motorcycle chassis. The flow rate of air through batteries was increased for the optimized chassis and battery module.

■ **A Study of Nonlinear Transient Behavior of Worn out 3-Lobe Non-recessed Journal Bearing**

Dr. P. B. Kushare & Dr. V. K. Matsagar

(Presented in 5th MYTRIBOS International Symposium organized by Malaysian Tribology Society, Malaysia)

Abstract: The purpose of this work is to discuss how the nonlinear transient behavior of a symmetric 3- lobe non-recessed hybrid journal bearing is affected by the worn bearing surface. The stability of a non-recessed worn out 3-lobe journal bearing has been investigated using the Runge-Kutta technique to solve nonlinear

equations of motion. For various wear depth parameter values, the journal centre trajectories have been plotted. According to the stability study's findings, a 3-lobe hybrid journal bearing's stability is severely influenced by the wear defect. The selection of the bearing's non-circular shape and worn-out surface parameter must be correct in order to sustain stability under dynamic operating conditions

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Sr. No.	Name of Students / Faculty	Title of Copyright registered	Date of publication	Registration Number
1	Dr. Satish S. Banait	An efficient clustering technique for mining big data	22/06/2023	L-127029/2023
2	D.M.Kanade & Prof.Dr.S.S.Sane	An effective privacy preservation technique for enhancing data usability	15/06/2023	L-126025/2023
3	Ms. Jyoti R. Mankar & Prof. Dr. Snehal M. Kamalapur	A novel technique for multiview multiple clustering	01/12/2022	L-131868/2023
4	Salas Sujit Shah, Samruddhi Dilip Bhansali, Shivam Vilas Gaikwad, Vaishnavi Dhananjay Deshmane & Prof. Dr. Yogita Dhanaji Bhise	Real time Sign Language Translator using Microsoft Xbox Sensor	05/07/2023	L-128080/2023
5	Gagandeep Singh Dhindsa, Prof. Dr. Yogita Bhise, Sameer Abhay Pardeshi & Tushar Dnyaneshwar Avhad	Stolen and Unauthorized Vehicle Detection System	11/03/2023	6383/2023-CO/L
6	Ms.Monali P.Mahajan & Prof. Dr. Snehal M. Kamalapur	An effective technique for remote sensing image retrieval	05/06/2023	L-123647/2023



Prof. Dr. K. N. Nandurkar
PRINCIPAL

