



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

May 2023

Vol. : 15
Issue : 5

■ **Felicitation of Prof. D. P. Nathe**



Felicitation program

Felicitation program of Prof. D. P. Nathe, Principal, Government Polytechnic and Joint Director, Regional Office, DTE, Nashik was organized in our institute on 25th May 2023 on occasion of his retirement from service. It was done at the hands of Dr. Vinod Mohitkar, Director, DTE Mumbai. Chairman of K. K. Wagh Education Society Shri. Sameer Wagh felicitated Dr. Vinod Mohitkar on this occasion. For this program Shri. Ravindra Sapkal (Chairman, Sapkal Knowledge Hub), Shri. Amit Kolhe (Managing Trustee, Sanjivani Engineering College Kopergaon), Mr. Amol Nyaynit, Assistant Director, Regional Office, DTE, Nashik, Secretary Prof. K. S. Bandi, Principal Dr. K. N. Nandurkar, the Principals of various Professional Colleges from Nashik and Ahmednagar District were present. The Principals, heads of department and staff of various institutes of K. K. Wagh Education Society also attended the said program.

■ **Felicitation of Distinguished Alumni**

On occasion of 125th Birth Anniversary of Late Kakasaheb Wagh, the felicitation program for Alumni was organized on 13th May 2023 at Kalidas Kalamandir. On this occasion around

125 alumni from different institutes of K. K. Wagh Education Society were felicitated. For the program the Chief Guest was Dr. R.S Mali (Former VC, NMUJalgaon) and Mr. H. D. Aher (Former VP, Mahindra & Mahindra Ltd., Nashik). Hon Chairman Shri Sameer Wagh felicitated to both the guest. Trustee Shri. Ashokbhai Merchant, Secretary Prof. K. S. Bandi, Principal Dr. K. N. Nandurkar, Dr. (Mrs.) Preeti D. Bhamre, Dean Quality, Ex. Principal Dr. Vasant D. Barve and all Principals, Heads of departments and staff of various institutes of K. K. Wagh Education Society were present for the program.



Felicitation program of Alumni

■ **Master Student Program**

The Indian Society for Technical Education (ISTE) Students' Chapter of K. K. Wagh Institute of Engineering Education and Research organized the Master Students' Program 2023-24. Chief guest was Mr. Mukesh Gupta, Managing Director at MG Electrica (Alumnus of Institute). Principal Dr. K. N. Nandurkar gave a moving address. The anchors of the Master Students' Programme, Mr. Shreyas Bidwai and Ms. Aditi Avhad, were subsequently given control of the event's direction. Ms. Mrunal Bagal gave an overview of ISTE, then gave a quick introduction to the themes that the Top 14 Speakers would cover. One by one, each Top speaker gave an attention withholding presentation on 14 life-changing topics.

1. Aditi Avhad - Anchor
2. Shreyas Bidwai - Anchor
3. Mrunal Bagal - Overview of ISTE
4. Ganesh Jahagirdar - Pillars of life
5. Ishita Jain - Beyond the Self
6. Kaustubh Patil - Thriving in a Changing World
7. Shravya Bangera - The Secret of Happiness
8. Vaibhav Gaikwad - Excuse to Empowerment
9. Saloni Panchal - A Guide to Healthier You
10. Darshan Bafna - A way to live
11. Prachi Agrawal - Unraveling the threads of Human Connection
12. Aditya Nimase - Virtue of Solidarity
13. Komal Sonawane - The Art of Advancement
14. Prasad Patil - Looking Beyond Limits
15. Devashree Pawar - Setbacks to Success
16. Sayali Bhutada - Purpose of Life
17. Rashmi Patil - Essence of Life

Following their speeches, each speaker took the stage to share a quote relating to them and their subject, while also announcing the "Engineers Doctrine" theme for the Master Students' Programme 2023. Later, our chief guest Mr. Mukesh Gupta and Principal Dr. K. N. Nandurkar presented the speakers with their trophies and certificates, recognizing that they had earned the privilege to be called the "Master Students".



Participants of Master students' program



Certificate distribution during Master students' program

■ Visit of Dr. J. P. Dange

Dr J. P. Dange (Retired IAS Officer and Ex Chief Secretary, Government of Maharashtra) visited our institute on 11th May 2023 to verify the functioning of CET Centre. On this occasion, Chairman of K. K. Wagh Education Society Shri. Sameer Wagh felicitated Dr. J. P. Dange. Dr. J. P. Dange appreciated the development of K. K. Wagh Education Society. Secretary Prof. K. S. Bandi and Principal Dr. K. N. Nandurkar were present on this occasion.

■ CII CEO Connect Program



Felicitation of Students

The 16th CII CEO Connect program was organized in the institute on 9th May 2023. The Chief guest was Mr. Joy Aloor, MD, Fox Automation and Vice Chairman of CII Nashik Zonal Council. The topic was "Entrepreneurship- The new success mantra for engineers". Principal Dr. K. N. Nandurkar felicitated the Chief Guest Mr. Joy Aloor. Prof. Dr. Pramod Shahabadkar (Training and Placement Officer) introduced Mr. Joy Aloor to the audience and proposed vote of thanks. Staff members, TE and BE students attended the said session. On this occasion, students who got selected in TIAA as an intern with a stipend Rs. 30000/- per month were felicitated at the hands of Mr. Joy Aloor.



CII CEO Connect program

IUCEE Mini Symposium

IUCEE Mini Symposium on “Best Practice in industry – Academia Collaboration” was organized by our institute on 26th and 27th May 2023. The coordinator of said symposium was Principal Dr. K. N. Nandurkar. It was conducted in an online mode at 6.00 pm on each day. Around 50 staff members from our institute attended the same. The Industry-Academic panel of Indo-Universal Collaboration for Engineering Education (IUCEE) had organized this programme in order to increase the collaboration among industry and academia. Many experts from industry and academia institutes shared their experiences about Industry-Academia collaboration. The event was supported by the Association of Managements of Unaided Engineering Colleges (Maharashtra).

TELEKINESIS – Project Competition



Certificate distribution of Telekinesis - Project Competition

The Department of Electronics and Telecommunication organized Telekinesis – Project Competition on 20th May, 2023. All the students of E & T C department participated in the event. Events such as Project competition, Mini Project were organized for students.

MHT- CET Mock Test 2023

For 12th standard students, the Department of Applied Science has conducted the free MHT CET Mock Test from 6th to 8th May 2023. Candidates who wish to enroll in technical courses in the state of Maharashtra must take the MHT-CET Exam. Many students from rural areas were unable to attend their classes to prepare for the MHT-CET exam. As a result, they are quite distant from the exam preparation process, which has left students and parents feeling down and burdened. Therefore, K. K. Wagh Institute of Engineering Education organized the Free MHT CET mock Test for students for the 12th standard, in order to address the demand of society for strategies to deal with getting out of depression and ways to increase their scores. Around 200 participants from all around Maharashtra actively participated in the afore mentioned. The primary goal of Mock Test is to manage the time for Physics, Chemistry and Mathematics. It was a productive endeavor that met a need for society and students, especially in remote areas where there was no coaching or a crash course. The Mock Test is crucial in laying the groundwork for the students' future technical education. Dr. Ganesh Dabhade and Prof. Arun Shinde coordinated the activity. Total 214 students took the test. They were given the scores immediately after the test.



K. K. Wagh Education Society's
K. K. Wagh Institute of Engineering Education and Research
Website: www.engg.kkwagh.edu.in
(An Autonomous Institute from A.Y - 2022-2023)
Department of Applied Science
Organizes

Free MHT - CET Mock Test 2023
6th, 7th and 8th May 2023
No Registration fees
Registration link: <https://forms.gle/TBbWvmtKap7WbKR59>
#First Three Toppers will get Attractive Prizes





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Dr. A. C. Pawar
HOD

Dr. V. K. Patil
FY S. Tech Coordinator

Dr. D. M. Chandewkar
Dean, Student Affairs

Dr. K. N. Nandurkar
Director

CET Mock Test 2023

■ Workshop on Topic “IPR and IP Management for Startups”

On 11th and 13th May 2023, workshop on topic “IPR and IP management for startups” was organized by our IPR Cell of our institute. The Chief Guest for day 1 was Dr. Suraj Bhojar, NIPAM professional & patent agent. The Chief Guest for day 2 was Mr. S. Pund, Corp. Head – Innovation & IPR, Ex Senior Manager of Mahindra & Mahindra Ltd. The staff of our institute attended the said workshop.

■ Blood Donation Camp

NSS Unit of our institute in association with Regional referral hospital Nashik organized blood donation camp on 24th May 2023 in institute campus. Around 110 blood bags were collected in the said camp.



Blood Donation Camp

■ Expert Lecture/Seminar/Courses/Workshop Conducted:

- Computer Engineering Department organized Session on “BE project how to?” by Prof. Dr. (Mrs.) S. M. Kamalapur & Prof. N. M. Shahane on 16th May 2023, a mini project competition for the course “Data Structures and algorithms Lab” by Mr. Yash Garudkar, Software Engineer, Vinz Global, Alumnus Mr. Shubham Chaudhari, Analyst Deloitte USI and Alumnus Harsha Gondhalekar, Senior Software Engineer, Capgemini on 27th May 2023.
- Electronics and Telecommunication Engineering Department organized Expert talk on “Latest trends in Power Electronics” by Mr. Pravin B. Borkar, Manager, Siemens India Ltd. Nashik on 06/05/2023, Expert talk on “Skill set required and Interview Preparation” by Mr. Nimish Thanekar and Mr. Aniket Arya on 08/05/2023 and Expert talk on “Recent Trends in Network Security” by Mr. Amey Tambe, Director, SofTech Data Securities, Pune on 11/05/2023. Same department also organized Expert talk on “Latest trends in

Cellular Network” by Mr. Mahesh Kadam, Circle Lead/ Assistant Manager, Mumbai Circle Samsung India Electronics Pvt. Ltd., on 13/05/2023, Expert talk on “Link yourself with LinkedIn” by Mr. Vinaay Mantri, CEO, Inner Sky Consulting Pvt. Ltd., on 15/05/2023 and Expert talk on “Microcontroller and its applications” by Mr. M. M. Paranjpe on 15/05/2023.

- Electrical Engineering Department organized Expert Lecture on “High Voltage Hybrid Switchgear” by “Ms. Samiksha Yawalkar”, Quality Engineer, Hitachi Energy Ltd., on 04/05/2023, Expert Lecture on “Power Point Presentation and Presentation Skills” by “Ms. Neha Shah”, Psychologist, Human Resources on 03/05/2023 and Workshop 'PESHकरा' with the IET Nashik Local Network by Ms. Neha Shah & Mr. Adarsh Srivastava, Alumnus and IET Present around the World (PATW) Finalist on 06/05/2023.
- Chemical Engineering department organized expert talk on topic “Environmental Awareness of Chemical Industries” by Prof. Dr. A. Ashok Kumar, Associate Professor, MPIST, Thanjavur on 27/05/23.
- Department of Information Technology organized a session on “How to use technologies in MNC” by Mr. Swapnil Gavande, Consultant, Atos, Pune on 10th May.2023.
- Robotics and Automation department organized Expert lecture on “Automated Material Movement & Storage System in Industry” by Mr. Ganesh D. Ushir, Meghpushpa Energy Tech, Nashik on 19/05/2023.
- Computer Science and Design Department organized an expert talk on “Cyber Security: Technologies, Innovations and Opportunities” by Mr. Amar Thakre, CEO, Lumeverse Solutions (Global Cyber Security Company), Nashik on 30th May 2023 and hands on session on the topic “Latex: Report writing Tool” by Mr. Chetan Pagar, Business Analyst, CRIF, Credit Information Services Pvt. Ltd., Pune on 27th May 2023.
- Department of Applied Science organized activity based expert talk on Topic “Universal Human Values” by the resource person Dr. Karthik Balsubramanian (Associate Professor at Department of Mechanical Engineering, NIT, Warangal) on 13/05/2023.

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

- Computer Engineering department staff Prof. P. P. Vaidya & Prof. J. R. Mankar have attended One week FDP on “Research trends in Data Computing & Machine Learning” from 22nd to 26th May 2023. Prof. K. P. Birla attended Professional Development Program on “Immersive Media Technologies AR VR and MR” from 8th to 12th May 2023.
- Electronics and Telecommunication Engineering Department Head Dr. D. M. Chandwadkar and their staff D. C. Shimpi, M. P. Joshi, R. V. Chothe, S. V. Shelke, P. P. Patil have attended Mini-Symposium on “Best Practices in Industry - Academia Collaboration” from 26th to 27th May 2023. R. V. Chothe attended Professional development program on “Foundations of cryptography” from 15th to 19th May 2023.

■ **Congratulations !!**



Prof. Priya D. Rakibe

Prof. Priya D. Rakibe from Department of Computer Engineering received First Prize consecutively from last three years under Professional Category in Essay Competition organized by Computer Society of India, Nashik chapter with the theme “Covid 19 : Boon or curse for IT industry”

■ **Congratulations !!**

The patent has been granted to Dr. Dinesh M. Chandwadkar, Dr. (Mrs.) Sunita A. Patil (Ugale), Ms. Apeksha Kasat and Ms. Saniya Sayyad. The topic for patent was “System for detection of milk adulterants using sensor array” (Patent No. 432306 date of grant 19/05/2023).

■ **Other Achievements**

- Principal Dr. K. N. Nandurkar, Dr. V. K. Patil, Dr. N. B. Gurule and Dr. S. N. Jain visited Aurangabad on 12th May 2023 to attend the meeting of Association of Managements of Unaided Engineering Colleges (Maharashtra).
- Principal Dr. K. N. Nandurkar visited the College of Engineering Akola for Ph.D. Viva Voce on 20th May 2023. Two candidates working under the guidance of Dr. K. N. Nandurkar were granted Ph.D. by Sant Gadge Baba Amravati University.
- Also Principal Dr. K. N. Nandurkar and Dr. P. J. Pawar visited Amrutvahini College of Engineering, Sangamner to review Ph.D. seminars on 30th May 2023.

■ **Abstracts of papers presented during May 2023**

Improved Q-Reinforcement Learning Based Optimal Channel Selection In Cognitive Radio Networks

Sopan Talekar, Dr. Satish Banait & Mithun Patil

(Published paper in International Journal of Computer Networks & Communications (IJCNC) Vol.15, No.3, May 2023)

Abstract: Abstract: Cognitive Radio Networks are an emerging technology in for wireless communication. With increasing number of wireless devices in wireless communication, there is a shortage of spectrum. Also, due to the static allocation of channels in wireless networks, there is a scarcity of spectrum underutilization. For efficient spectrum utilization, secondary users dynamically select the free channel of primary users for the transmission of packets. In this work, the performance of routing in a cognitive radio network is improved by the decision of optimal channel selection. The aim of this work is to maximize the throughput and reduce the end-to-end delay. Therefore, an Improved Q-Reinforcement learning algorithm is proposed for the optimal channel selection during the packet routing between source and destination. The performance of this work is compared with the existing routing protocols. It is simulated in network simulator-2 (NS2) with Cognitive Radio Cognitive Network (CRCN) simulation. After performance evaluation, it is observed that the proposed work performs better

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than existing work with respect to packet delivery ratio, throughput, delay, jitter, control overhead, call blocking probability, packet dropping ratio, good put and normalized routing overhead.

Keywords: Cognitive Radio Network, Reinforcement Learning, Routing Protocols, Channel selection, Throughput maximization.

■ **The Exciting World of Electric Vehicles**

Dr. Ravindra Munje & Minal Rade

(Published paper in Electrical India Journal)

Abstract: Although, in today's fast deteriorating environmental condition, it is very essential to quickly switch over to the era of electric transportation, in India still the adoption rate of Electric Vehicles (EVs) needs to improve. This article pinpoints some of the reasons for which the rate of adoption of EVs is still below the expected level, and focuses on the government's initiatives to improve the situation.

■ **Interactive music recommendation system based on text and speech analysis**

Isha Moykhede, Mosmee Patil, Om Mahajan, Gaurav Mantri & Dr. Preeti Bhamre

(Paper published in International Journal of Creative Research Thoughts (IJCRT-2023), Vol. 11, Issue 5, May 2023, ISSN No.: 2320-2882)

Abstract: Abstract: Music is an integral part of our lives. In this era of technological advances, appropriate music recommendations are much needed as soothing music according to moods helps humans to relieve stress. The objective of this project is to develop a personalized system, where the user's current emotion is analyzed with the help of a bot. The bot will interact with user to identify the mood. By analyzing the tone of the text and speech used by the user, mood can be identified. Once the mood is identified, the application will recommend music based on the user's mood. The project utilizes the Rasa framework for chatbot interaction, allowing the user to have a more natural and interactive experience. The deep speech recognition layers are used for recognition of emotions through speech. The model is going to use a Natural Language Processing (NLP) Algorithm for textual analysis and Convolutional Neural Network

(CNN) along with spectrogram analysis to predict the mood based on the tone of the user. To recommend music based on the emotions Last.FM API will be used.

Index Terms: Bot, NLP, Spectrogram, Recommendation System, Speech Emotion Recognition.

■ **News Classification and Recommendation using Naïve Bayes Classifier**

Himanshu B. Chaudhari, Mayur G. Kotkar, Aditya S. Pardeshi, Pratik V. Ukarde & Prof. S. N. Chaudhari

(Paper published in International Journal of Creative Research Thoughts (IJCRT-2023), Vol. 11, Issue 5, May 2023, ISSN No.: 2320-2882)

Abstract: News publishers have decreased spreading news through conventional newspapers and have migrated to the use of digital media. Therefore, there exists a large amount of information being stored in the electronic format which needs to be classified into different categories because there may be present some sensitive data which is not suitable for specific age group. In this project, machine learning algorithms are used for classifying news by using a dataset. By evaluating the accuracy of Linear regression, Naive Bayes algorithm, Logistic regression and Decision tree algorithm and performing comparative analysis of all mentioned algorithms we are going to select the algorithm which provides the maximum accuracy. Also suggesting news articles to the online news reader based on the similarity of a news article with the news they are reading or proposing news articles based on the interest of news reader subjected from their previous readings and the feedback of the reader. After implementing and comparing the accuracy of all Machine Learning models, Naive Bayes Model gave the highest accuracy and lower error percentage. So, Naive Bayes Model is used for training the model and to get required result.

Index Terms: Naive Bayes algorithm, Comparative analysis, Decision tree algorithm.

Prof. Dr. K. N. Nandurkar
PRINCIPAL

