

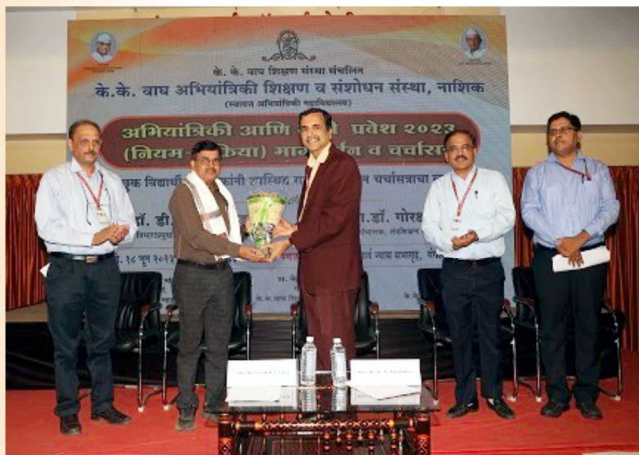


**K.K. Wagh Education Society's
K.K. Wagh Institute of Engineering
Education and Research, Nashik.**

June 2023

Vol. : 15
Issue : 6

■ **Student Counseling Session at Nashik**



Felicitation of Hon. Dr. Goraksha V Garje (Jt. Director, DTE Nashik)

The counseling session for students and parents related to Engineering and Agriculture Allied Colleges admission was organized by K. K. Wagh Education Society on 18th June 2023 at 5.30pm at Dr. Kurtkoti Shankaracharya Nyas Nashik. For this program Hon Dr. Goraksha V Garje (Jt. Director, DTE Nashik), Principal Dr. K. N. Nandurkar, Dr. D. M. Chandwadkar, all Heads of department were present. Principal Dr. K. N. Nandurkar gave information of the institute and the achievements of the institute. Principal Prof. Deveshette gave information of the admission process of Agriculture Colleges. Dr. Garje guided to all students and their parents. He told that preference should be given to quality Engineering College instead of the branch. He told about the documents required at the time of admission process. E & TC department Head Dr. D. M. Chandwadkar gave information of the admission process of Engineering, various rounds, method to fill the option form etc.

■ **Award of scholarship to KKWIEER students by ABB Ltd., Nashik**



Recipients of ABB scholarship award with dignitaries



Alumni interaction at ABB Ltd., Nashik

ABB Jürgen Dormann Foundation (Switzerland) provides scholarships to Engineering students in different parts of the world who can prove a high standard of academic achievement and who need financial support to continue their studies. In India, they have identified three institutes based on the academic performance, accreditation and other criteria. K. K. Wagh Institute of Engineering Education and Research Nashik is one among the three colleges. Our three students: Mansi Joshi, Aditya Shelke and Ishwari Bharote are selected for this unique scholarship based on their academic excellence and economic conditions to meet their Fees, Staying and other Educational expenses. This scholarship will be given for four years



starting from their first year of engineering. These students were given Scholarship Contract at the hands of Mr Sameer Wagh, Chairman, K K Wagh Education Society and Mr. Ganesh Kothawade, President ABB, Nashik in presence of Mr. Dayanand Kulkarni, HR Head of ABB, Dr K N Nandurkar, Principal, Dr. Shirish Sane, HoD of Computer Science, Dr. P J Pawar, HoD of Robotics and Automation and other ABB leaders in ABB Nashik Plant. In addition to their scholarships for fees and laptops, successful students may get an opportunity to attend regional and international events hosted by ABB for networking with other international students. During the visit faculty members also had an interaction with K K Wagh alumni working in ABB and the current students who are doing project in ABB.

■ **ETT Meeting on 7th June 2023**

Meeting of ETT in presence of Hon. Shri.Vivek Sawant and Hon. Chairman Shri. Sameer Wagh at meeting hall was arranged on 7th June 2023. Hon Chairman Shri Sameer Wagh felicitated Hon. Shri. Vivek Sawant on this occasion. Principal Dr . K. N. Nandurkar and other ETT members were present for the meeting. Hon. Vivek Sawant guided to all staff present for the meeting.

■ **Counseling seminar at various Districts**



Prof. Dr. S. S. Sane (Head of Computer Engineering) at Aurangabad during Counseling seminar



Dr. R.K. Munje (Head of Electrical Engineering) at Jalgaon during counseling seminar



Participants of Dhule Counseling seminar



Prof. Dr. S.Y. Kute (Dean Academic) at Ahmednagar during Counseling seminar



Prof. Dr. D.M. Chandwadkar (Head of E&TC) at Nashik during Counseling Seminar

The counseling session for students and parents related to Engineering, Polytechnic, Pharmacy and Agriculture Allied Colleges was organized at various districts like Ahamednagar on 15th June 2023, Aurangabad on 18th June 2023 ,Jalgaon on 14th June 2023,Dhule on 17th June 2023 and at Nashik on 18/06/2023. The Prof. Dr. S. S. Sane,

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Dr P. J. Pawar and other team members were visited at Aurangabad. Dr. S. Y. Kute, Dr. V. S. Mane and other team members visited to Ahemadnagar. Dr. V. K. Patil, Dr. P. B. Kushare and other team members visited Dhule for the counseling seminar. The halls were booked at these locations for the seminar. The information of the institute and admission process of Engineering, Polytechnic, Pharmacy and Agriculture Colleges was given during the counseling sessions by the team visited at various locations.

Final Year project Competition



Winners of Project Competition

Final year Project competition was organized by IQAC Cell of our institute on 19th June 2023. The students of various branches displayed their projects during this competition. Out of 302 projects developed from different departments, 26 projects were shortlisted for the competition. The prize distribution function for the winners of competition was organized on 20th June 2023. The prizes were distributed by the hands of Principal Dr. K. N. Nandurkar. For the prize distribution program Dr. S. S. Sane, Dr. Preeti Bhamre and all heads of department, project coordinators of various departments and participants and winners were present. Mr. Milind Tanksale (CTO, Neumann System Consultancy Pvt. Ltd.), Mr. Suyog Zute (Add. Executive Engineer, Mahagenco) and Mrs. Tanuja Date (Retired Asso. Prof. in Electrical Engg.) were the judges for the competition. Best Final Year Project at Institute level has been awarded to Bagal Vishal, Prayag Shreyash, Shinde Naresh, Suryavanshi Swapnil of Electrical Engineering for their project on "Design of Vacuum seed drill for agricultural purpose " under the guidance of Prof. Dr. Abhishek Srivastava. Cash prize of worth Rs 30,000/- is awarded to the best 7 projects of the institute.

Certificate distribution of training program for SMT Leaders of Mahindra and Mahindra Ltd., Nashik

A valedictory function of Training program for 'Self-Managed Team' (SMT) leaders was organized by Mahindra and Mahindra Ltd., Nashik on 22nd

June 2023. Shri.NitinVaidya, Manufatcturing Head, Mr. DattaprasadGhate, Mr. Kailas Darade and other senior managers of Mahindra and Mahindra Ltd., Nashik along with Principal Dr. K. N. Nandurkar, Dr. P. J. Pawar (HOD, Robotics and automation) and Dr. P. B. Kushare (Professor, Mechanical Engineering) attended this function. On this occasion Shri. NitinVaidya appreciated the efforts taken by KKWIEER team for successfully conducting the training program. In his speech, Dr. K N. Nandurkar congratulated all participants on successful completion of training program and ensured to maintain the quality of the future training programs also. The certificates were distributed to all successful participants by the hands of Shri. NitinVaidya, Prof. Dr. K. N. Nandurkar and other dignitaries.



Principal Dr. K. N. Nandurkar addressing SMT leaders

CEO Connect



CEO Connect Program

CII Maharashtra Industry-Academia Connect Panel in association with K. K. Wagh Institute of Engineering Education and Research Nashik successfully organized CEO Connect Series on Wednesday, 14th June 2023 and the CEO as a guest speaker was Mr. Manas Dhage, CEO Konark Global, Nashik. The topic was 'Daily Life Examples of Practicing Entrepreneurship'. Around 110 students from MBA and MCA and

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staff members attended the program. The program was initiated by TPO Dr Pramod Shahabadkar followed by the welcome speech and overview of CII activities by Principal Dr. K. N. Nandurkar. Mr. Manas Dhage addressed the participants and explained the concept of Entrepreneurship with examples. He spoke about why it is important to be innovative for an entrepreneur. He discussed the issues and problems faced by entrepreneurs in daily life of practicing entrepreneurship and stated how to solve real life problems. The session was dealt with using many examples and gave an opportunity to interact during the session. The session ended with a QA session and vote of thanks by Dr. Saroj Dhake, HoD, MBA department.

■ **A Six Days Faculty Development program on “Advanced Manufacturing”**



Members of Faculty Development Program on “Advanced Manufacturing”
KKWIEER-IDEA lab has completed a six days Faculty Development Program on “Advanced Manufacturing” from 12th June to 17th June 2023. Total 20 faculties of Engineering, Polytechnic and Pharmacy participated in the program. Program was intended to provide participants with introduction to new technologies such as geometric modelling, 3DPrinting, 3DScanner, Laser Cutting, Wood router, Arduino. Also it provides opportunity to participants to work in team, build integrity and work in multi-disciplinary fields. This FDP throws light on successful implementation of Advanced Manufacturing by use of technology and problem solving skills such as Design Thinking. Using advanced machines participants will prepare Smart Lamp. KKWIEER-IDEA lab has completed a six days Faculty Development Program on “Interdisciplinary Project Design & Development” from 26th June to 01st July 2023 for faculties of Engineering, Polytechnic and Pharmacy. The faculty development program was coordinated by Prof. Mrs. P. R. Mogal and AICTE IDEA Lab team.

■ **Felicitation of FE Toppers in Classes**



Felicitation of F.Y.B. Tech. toppers

The FE toppers of 1st semester exam under Autonomy of each class (first three) were felicitated in the respective classes of F.Y. B. Tech. on 8th June 2023. Principal Dr. K. N. Nandurkar, Head of respective department and Head of Applied Science and Maths department were present for felicitated of first three toppers in respective departments. The details of first ten toppers out of all branches of First year are also given below. They were also felicitated in the respective classes at the hands of Principal Prof. Dr. K. N. Nandurkar. He congratulated the toppers on their success and appealed them to maintain the same performance throughout their engineering course.

| Rank | Division | Name of student | Percentage |
|------|----------|-------------------------------|------------|
| 1 | C | Ms. Sakshi Pramod Malpure | 90.81 |
| 2 | C | Ms. Priti Rakesh Rathi | 90.37 |
| 3 | L | Ms. Arya Sanjay Somvanshi | 90.22 |
| 4 | H | Mr. Ashutosh Sanjay Khadse | 89.93 |
| 5 | D | Mr. Suraj Yogesh Yeola | 89.63 |
| 6 | C | Mr. Harish Dattatreya Lukare | 89.33 |
| 7 | H | Ms. Saniya Satish Bhosale | 89.04 |
| 8 | D | Ms. Priyanka Sunil Kshirsagar | 88.89 |
| 9 | H | Ms. Vedika Dipak Yadav | 88.59 |
| 10 | E | Mr. Aditya Kailas Borase | 88.44 |

■ Felicitation of Mr. Rahul Mahajan



Felicitation of Mr. Rahul Mahajan (DGM, Mahindra and Mahindra Ltd., Nashik)

Mr. Rahul Mahajan, Deputy General Manager, Mahindra and Mahindra Ltd., Nashik and alumnus of Production Engineering was felicitated with “Distinguished alumni Award” at the hands of Principal Dr. K. N. Nandurkar on 10th June 2023 at the Institute. Dr. P. J. Pawar, HOD and faculty members of Production Engineering were present on this occasion. Mr. Rahul Mahajan expressed his gratitude towards the institute and agreed to help the current students in the best possible way.

■ Yoga Day PROGRAM



Yoga Day Program

Yoga Day program was organized on College ground in association with YogVidhyaDham Nashik on occasion of International Yog Din on 21st June 2023. On this occasion Principal Dr. K. N. Nandurkar, Principal Prof. P. T. Kadve (K. K. Wagh Polytechnic), Principal Dr. Patil (K. K. Wagh Pharmacy Nashik), Heads of departments and staff were present.

■ Sport Prize Distribution Program



Sport Prize distribution program

Annual sport prize distribution was organized in the institute on 17th June 2023. The Chief guest was Ms. Monika Athare (World Athletic Champion 2017). The prizes were given by the hands of Chief guest on this occasion. Prof. Dr. Sunil Kute (Dean Academics), Dr. V. K. Patil and Physical Director Prof. T. K. Kandekar were present for the program. Ms. Monika Athare congratulated all the winners in different Sports events and advised the students to focus on self-discipline leading to a healthy lifestyle.

■ Expert Lecture/Seminar/Courses/Workshop Attended:

- Mechanical Engineering Departmental staff Dr. P. B. Kushare and Dr. V. S. Patil attended industrial training at Techman Systems Pvt. Ltd., Rabale MIDC, Navi Mumbai from 15th June 2023 to 27th June 2023. Dr. S. D. Barahate attended industrial training at ALF Engineering, Ambad, Nashik from 6th June 2023 to 13th June 2023. Dr. V.K. Matsagar attended industrial training at JK Polyplast, Pimpalgaon MIDC from 20 June 2023 to 4 July 2023.
- Chemical Engineering staff Prof. Tejmal B. Mahale and Prof. Prashant Kumar attended FDP on “Advanced Manufacturing Process” organized by AICTE Idea Lab of K K Wagh Institute of Engineering Education and Research Nashik from 12th to 17th June 2023.



Other Achievements

- Principal Dr K. N. Nandurkar and Prof. Dr. P. K. Shahababkar attended the Vidya Tech program by i4C Company Pune at Ashoka School, Chandsi, Nashik on 5th June 2023. Also Principal Dr. K. N. Nandurkar, Dr. P. K. Shahababkar and Dr. P. J. Pawar visited HAL Nashik and attended Industry – Academia meet and visited the HAL plant on 20th June 2023.
- Prof. Dr. Shirish Sane attended one day workshop on 'Implementation on National Education Policy: From Management Perspective' on 22/06/2023 at PVG's College of Engineering, Pune. Hon. Shri. Chandrakant Patil (Higher & Technical Education Minister, Maharashtra State), Prof. T. G. Sitharaman (Chairman, AICTE), Prof. R. D. Kulkarni (VC, Mumbai University) Shri. Mahesh Dabak (Member of Steering Committee for NEP) address the audience.
- Principal Dr. K. N. Nandurkar and Prof. Dr. S. Y. Kute visited Vidyalankar Institute Wadala to attend one day workshop on NEP 2020 implementation for Autonomous Engineering Colleges in Maharashtra on 23rd June 2023. Also Principal Dr. K. N. Nandurkar, Prof. Dr. V. S. Mane and Prof. Dr. P. B. Kushare visited SPPU Pune to attend first BOS Meeting of BOS (Production and Industrial Engineering), BOS (Chemical and Petroleum Engineering) and BOS (Mechanical Engineering) respectively on 27th June 2023.
- Principal Dr. K. N. Nandurkar, Prof. Dr. S. S. Sane and Prof. P. T. Kadve visited Government Polytechnic Samangaon for felicitation of Prof. G. V. Garje on behalf of the Association of Managements of Unaided Engineering Colleges of Maharashtra.
- Staff of Devgiri College, Aurangabad visited our institute to understand NBA preparations on 15th June 2023.

Abstracts of papers presented during June 2023

SLDEB: Design of a Secure and Lightweight Dynamic Encryption Bio-Inspired Model for IoT Networks

Bhavesh Kataria, Harikrishna B. Jethva, Pushpmala Vijay Shinde, Dr. Satish S. Banait, Farhadeeba Shaikh & Samir Ajani

(Published paper in International Journal of Safety and Security Engineering (Scopus) Vol. 15, No.3, May 2023)

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 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.

Chatbot: An Automated Conversion System using Pytorch Deep Learning Framework

Mitali Bafna (TEIT)& Prof. Nagama Kazzi (Published paper in *International Journal of Creative Research Thoughts*(IJCRT-2023), Volume 11, Issue 6 June 2023, ISSN No.: 2320-2882)

Abstract: Chatbot is used to assist visually impaired individuals in their daily lives. The chatbot will utilize natural language processing techniques to understand and respond to user inquiries, helping them perform tasks such as locating nearby facilities, scheduling appointments, and reading out messages. The paper will involve designing and implementing a user-friendly interface, and training the chatbot to recognize and respond to user intent accurately. Through this paper, the intern will gain experience in natural language processing, software development, and user experience design, while contributing to the development of technology that can positively impact the lives of visually impaired individuals.

Index Terms: Natural language processing, ChatBot and PyTorch deep.

Prof. Dr. K. N. Nandurkar
PRINCIPAL

