



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

January 2020

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■ **Memorial lecture by Dr. Aruna Dhere**



Publication of Book written by Hon Trustee Sau. Shakuntalatai Balasaheb Wagh

In memory of Late Padmashree Karmaveer Kakasaheb Wagh, an expert lecture by Dr. Aruna Dhere (Ex President, Sahitya Sammelan) was organized on 27th January 2020 by K. K. Wagh Education Society at Kalidas Kalamandir Nashik. On this occasion a book written by Hon Trustee Sau. Shakuntalatai Balasaheb Wagh entitled "Majhya Rhidhyayachi Usali" was published by the Chief Guest Dr. Aruna Dhere. Dr. Aruna Dhere spoke in a lucid manner and addressed all the staff and Nashik citizens present. Hon Trustee Sau. Shakuntalatai Balasaheb Wagh shared her views and her motivation for writing the book "Majhya Rhidhyayachi Usali". Mr. Prakash Pathak was president of the function. He also expressed his views. Mrs. Manjiri Kavare (Wagh) and Book Publisher Shri. Swanand Bedarkar also expressed their views about the book published. For the program President of K. K. Wagh Education Society, Hon. Shri. Balasaheb Wagh, Smt. Nilimatai Pawar, Sarchitnis, MVP Nashik, Trustee Hon. Shri. Changdevdada Holkar, Trustee Hon. Shri. Ashokbhai Merchant, Trustee Hon. Shri. Sameer Wagh, Secretary Hon. Prof. K. S.

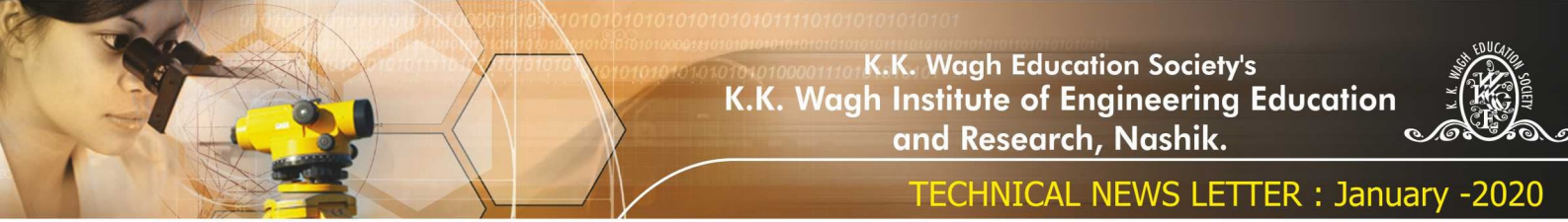
Bandi, Principal Dr. K. N. Nandurkar, Mrs. Manjiri Wagh, Mr. Ajinkya Wagh, other dignitaries, Principals, Heads of department and staff of various institutes of K. K. Wagh Education Society were present.

■ **MAFFICK 2020**



Prize distribution of MAFFICK 2020

An annual social gathering "Maffick 2020" of institute was organized from 28 to 31st January 2020 this year. Principal Dr. K. N. Nandurkar along with all Deans and HODs inaugurated "Maffick 2020" on 28th January 2020. As K. K. Wagh Education Society is celebrating its Golden Jubilee, the theme of Maffick was "Unfolding Education". Various cultural events and activities were conducted during Maffick 2020. Different competitions like Rangoli, Poster and Sketching were organized on 28th January 2020. On same day, "Nakshatranche Dene", a musical program of classical Marathi and Hindi songs was performed by a group of students. This was the "Silver Jubilee" year of Nakshatranche Dene. On 29th January 2020, Soft skill competitions like Elocution, Quiz and Debate were organized. On same day, "Open Mic", an open stage activity was organized for all staff and students to showcase their various cultural talents like



singing, poetry, mimicry, etc. RJ Rohit of Divya Marathi media group was the guest for this activity. A group of NSS volunteers presented "Lezim" performance on 30th January 2020. Cultural programs like Singing, Drama, Dance, Fashion Show and Personality Contest were organized in pendol on 30 and 31st January 2020. The Prize Distribution ceremony of Maffick 2020 was held on 31st January 2020. For gracing this ceremony Mr. Manoj Ghode Patil (Alumnus of Production Engg. 1996 batch), Dy. Commissioner of Nashik Municipal Corporation, was invited as Chief Guest. The prizes were distributed at the hands of Chief Guest for Academic, Cultural and sport achievements.

■ Visit of Mr. Jayant Patwardhan, CEO, TIAA Global Business Services

Mr Jayant Patwardhan, Senior Managing Director & CEO, TIAA Global Business Services, Mumbai, visited K. K. Wagh IEER with an objective of exploring the areas of cooperation between K. K. Wagh and TIAA. Mr. Jayant Patwardhan was received by Principal, Dr. K. N. Nandurkar and later he visited Kusamgraj Central Library, Computer Department and Training and Placement Cell of the institute. Principal, Dr. K. N. Nandurkar presented the details of K. K. Wagh and its academic and other activities. Vote of thanks was proposed by Dr. P. K. Shahabadkar, TPO, K. K. Wagh IEER. Mr. Jayant Patwardhan appreciated the work of the institute and assured Internship and Placement Opportunities to K. K. Wagh Students.



Felicitating of Mr. Jayant Patwardhan

■ Industry 4.0 Workshop

K K Wagh IEER in association with C4i4 Lab, Pune and CII North Maharashtra Zone, conducted a workshop on "Industry 4.0" on 24th January 2020 in K K Wagh IEER Campus. This meet was attended by 45+ top and middle level industry people, 15 K K Wagh Staff members and

53 Students. Objective of the workshop was to make the participants aware about: Relevance of industry 4.0 in education, Relevance of industry 4.0 in Indian Context, Key technologies and drivers for Industry 4.0 and How to begin the journey. Program started with welcome speech by Principal Dr K N Nandurkar followed by Views by CII representative: Mr. Tushar Patwardhan CEO, Tushar Udyog and Chairman CII-Institute Cell, key note speech by Mr. Ravindra Mahadeokar, CEO and Active Member of CII. Mr Dattatraya Navalgundkar, Director, C4i4 lab, Pune and in the vote of thanks was proposed Dr. P. K. Shahabadkar, TPO, K. K. Wagh IEER.



Views by CII representative: Mr. Tushar Patwardhan



Group Photo of Participants of workshop on Industry 4.0

■ ISTE Student Chapter Installation

On January 13, 2020, ISTE Students Chapter of K. K. Wagh Institute of Engineering and Research organized an installation ceremony under the guidance of Dr. K. N. Nandurkar, Principal, K.K.W.I.E.E.R. and ISTE Faculty advisor, Prof. Mrs. Vaishali Lele and coordinator Prof. Ms. Archana Mourya. In his few words of wisdom, Dr. K. N. Nandurkar, Principal, K.K.W.I.E.E.R, mentioned the necessity of personality development and soft skills required for the professional life. The activities organized by ISTE are very helpful to groom the students to become industry ready as well as being a perfect and professional personality. Followed by the speech of Principal, was the Installation Ceremony of ISTE Students Chapter 2019-2020 and the

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Felicitation of the previous year's Senior Student Council was held. Miss. Ishita Rai, President of ISTE committee 2018-19 along with her team was felicitated with certificates for the amazing year long activities they brought for the development of the students.

The committee for the academic year 2019-2020 was also installed on this day. The newly elected President of ISTE, Mr. Sontej Aher along with Ms. Mitisha Parmar (Vice-President), Ms. Reshama Neve (Secretary), Ms. Ashwini Lele (Joint-Secretary), Ms. Panchami Sahare (Treasurer), Mr. Tejas Amrutkar (Co-Treasurer) and all the core committee members were handed the reins for all activities to be held in the coming academic year and an encouraging vote of thanks by Ex-Secretary Mr. Vinit Sahni, the ceremony came to a wonderful end.



Installation Ceremony of ISTE Students Chapter 2019-2020



Felicitation of the previous year's Senior Student Council.

VIJIGISHA Competition at Jalgaon

STE Chapter of K. K. Wagh Institute of Engineering Education and Research successfully organised "Vijigisha"-2020 on 29th January at V. Va. Zilla Vachanalay, Jalgaon on a divisional level. This was the third year of

Vijigisha Jalgaon, and the event got an overwhelming response of 35 participants from Jalgaon as well as its neighbouring areas. The competition was held in Marathi language with 2 groups namely, 'Uday' a group of 11th and 12th standard students and 'Aaroaha' that of degree pursuing students. Prof. V. R. Lele, faculty advisor of ISTE Students' Chapter gave the overview of ISTE in the inaugural function. The judging panel consisted of renowned personalities of Jalgaon area. We were fortunate to have Mr. Sharad Dongre, Mrs. Meera Gadgil, Prof. Yogesh Mahale and Dr. Vrushali Chapekar as our judges for the day. Principal Dr. K. N. Nandurkar felicitated the judges. While addressing the crowd, Principal Dr. K. N. Nandurkar said that Vijigisha has been organized on State level from past 17 years in Nashik and that, this was the third year of Vijigisha at Jalgaon. Chief Guest of prize distribution programme was Dr. Rahul Mayur (Rotary Club). Mr. Bhavesh Patil from Pratap College, Amalner; Mr. Akash Sapkale, M. J. College, Jalgaon and Ms. Pallavi Surve, Government Polytechnic Jalgaon, bagged the first, second and the third prize respectively from the 'Uday' group and Ms. Pallavi Shimpi, Nutan Maratha College bagged the first prize from 'Aaroaha' group. The second and third prize winners from the 'Aaroaha' group were Mr. Suyash Thakur from Dr. Bhausaheb Hire College, Dhule and Mr. Dharmesh Hire from Vidyavardhini College, Dhule. Ms. Pratiksha Patil from Bendale College, Jalgaon and Ms. Namita Patil from R. C. Patel College, Shirpur were awarded with the first and second consolation prizes respectively.



Principal Dr. K. N. Nandurkar Addressing the audience in Vijigisha Jalgaon



Winners of Vijigisha 2020

■ Industry leaders and alumni meet at Jalgaon

With an objective of bridging the gap between K K Wagh Education Society and Industries of Jalgaon, K K Wagh organized Jalgaon Industry Leaders Summit and Alumni Meet on 29th January-2020 at Hotel Silver Palace at 6.00pm followed by dinner. Around 11 industry leaders from Legrand, Orient Cement (C K Birla Group), Spectrum Electricals, Marico, Chhabi Electricals etc have attended this meet. Also few alumni members participated. Profile of the participants includes: Managing Director, DGM, Director, Plant Manager, Factory HR manager etc. Prof. Dr. K. N. Nandurkar, Principal of K K Wagh IEER, presented the details about K K Wagh Education Society and its institutes, facilities available, academic performance and achievements of students and research and consultancy works carried out by institutes. Dr P K Shahabadkar, TPO of K K Wagh IEER presented about Industry-Institute Interaction at K K Wagh IEER. Dr P J Pawar shared activities of Alumni and proposed vote of thanks.



Group Photo of Participants of Industry Alumni Meet at Jalgaon

■ Two days State Level workshop on “Swarm Intelligence: Research Applications”

A two days state level workshop on “Swarm Intelligence: Research Applications” was organized by the department of Production Engineering during 31 Jan – 01 Feb 2020. The workshop was inaugurated on 31st Jan 2020 in

the presence of Dr. V. D. Barve (Ex-Principal, K.K.Wagh.I.E.E.R., Nashik) as chief guest. Dr. K. N. Nandurkar (Principal, K.K.Wagh.I.E.E.R., Nashik) delivered welcome and key note speech during inaugural ceremony. The main objective of the workshop was to promote the applications of swarm intelligence techniques in various engineering fields. Total 6 sessions were conducted in two days. The resource persons were Dr. V. D. Barve, Dr. P. J. Pawar, Dr. S. M. Kamlapur and Dr. K. V. Chandratre. About twenty participants from various institutes of Maharashtra were benefitted by this workshop.



Dr. V. D. Barve addressing the workshop

■ Road safety session by Mr. Vinay Ahire (Dy. RTO, Nashik)

As per guidelines received from Ministry of Road Transport & Highways of Govt. of India and National Service Scheme Office of Savitribai Phule Pune University, the NSS unit of institute observed “31st National Road Safety Week” from 11th to 17th January 2020. In this regard, an expert talk of Mr. Vinay Ahire (Dy. RTO, Nashik) was organized on 14th January 2020 in institute. He guided the students about causes of road accident & their preventions.



Road Safety Awareness Program in
association with Nashik RTO Office



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Executive Training Program by MBA Department

An Executive Training Program was conceived by the MBA department with an aim to enhance Industry Institute Interaction. A team was formed under the leadership of Prof. Amrutha Hippalgaonkar and Prof. Tejal Patil under the overall guidance Dr. K. N. Nandurkar (Principal) and Prof. A. S. Mohgaonkar (I/c HOD, MBA) with the support of trainers Mr. A. M. Mankad and Mr. G. U. Shriniwar for organizing the training program. 40 participants from 10 reputed industries participated in the training program. The first half session (10:00 am to 1:00 pm) was coordinated by trainer, Mr A. M. Mankad. The post lunch session from 2:00 pm to 3:00 pm included an activity by Prof. A. A. Hippalgaonkar, Prof. A. S. Mohgaonkar and Prof. T.V. Patil of MBA department. The last session (3:00 pm to 5:00 pm) was coordinated by trainer, Mr. G. U. Shriniwar, a Director of Trainman Associates India. The participants took keen interest to understand the crucial role of interpersonal skills in any organization and their practical implications. Team building through Toyota Way was dealt by Mr. A. M. Mankad. FIRO-B test was conducted by Mr. G. U. Shriniwar for all the trainees to assess their interpersonal skills and identify the gap. Suggestions were provided to participant on improving it effectively. The day ended with Q & A session followed by Feedback session.



An Executive Training Program organized by MBA department

Republic Day Celebration



Flag Hosting on Republic Day

The Republic Day was celebrated with full honor on 26th January 2020. The National Flag was hoisted at the hands of Mr. Ashokbhai Merchant, Trustee of K. K. Wagh Education Society Nashik. Staff members from all the Institutes of main campus and students from girls and boys hostels were present. Mr. Sanjeev Ahire, PRO addressed all staff and students on this occasion.

Blood Donation Camp

On the occasion of K. K. Wagh Education Society's Golden Jubilee Year NSS Unit of our Institute has organized blood donation Camp on 04th January 2020 in association with Sandarbh Seva Hospital, Shalimar, Nashik. In this camp staff members and students of Engineering College and Polytechnic participated actively. This camp was successfully concluded with total 161 blood bag collections which include 55 blood bags from Polytechnic and 106 blood bags from Engineering College. On this occasion RED REBUN Club under NSS Unit was inaugurated. NSS Program Officer Dr. N. B. Gurule, Prof. Sanjay Pawar and Dr. P. V. Puri coordinated this event.



Principal Dr. K. N. Nandurkar visited to Blood Donation Camp

Session on "Opportunities in Japan"

Mr. Mahesh Patil an alumnus of K K Wagh IEER doing research in Japan conducted an interactive session with the students about Higher Study and Job Opportunities in Japan for students. This session helped the students in knowing Universities in Japan and also global skill sets required to work in the international companies.



Participants of session conducted by Mr. Mahesh Patil

■ **Celebration of Marathi Bhasha Sanvardhan Pandharwada**

Kusumagraj Central Library celebrated “Marathi Bhasha Sanvardhan Pandharwada”. On this occasion Central Library has organized lectures of experts in the field and exhibition of Marathi literature on 06th to 16th January 2020. It was inaugurated at the hands of Principal Dr. K. N. Nandurkar by organizing Book Exhibition. On 13th January 2020 an expert talk by Shri. Vasant Khairnar, Jyoti Stores, Nashik on “Interview of well known Marathi Authors and their literature”. On 14th January 2020 an expert talk by Shri. Lokesh Shevade, Marathi Industrialist on Topic “Vachan Sanskruti”. Also on 16th January 2020 an expert talk by Prof. Aishwarya Patekar, Marathi Author on “Sanvad Lekhakashi” was organized.



Prof. Aishwarya Patekar addressing the programme



Shri. Lokesh Shevade delivering a lecture

■ **Visit by CBSE School students to College on 10th Jan.'2020**

On 10th Jan. 2020, K. K. Wagh Jr. College student visited to our college. Prof. Sunil Morade, Prof. Amol Kamble and Prof. Miss Archana Mourya showed them the different department of the college. Prof. J.S. Jadhav gave information about the workshop and showed them modern machines in the workshop. Prof. P. K. Shahabadkar delivered a motivational speech and gave information related to T & P section.



Visit by Students

■ **Inauguration of Laser Cutting Machine in Workshop**



Inauguration of Laser cutting machine on 11th January 2020

In order to develop an Innovation Centre and improve utilization of Engineering Workshop, it is always upgraded from time to time to keep pace with modern technological developments. During current academic year, Engineering Workshop has added modern machines like Hot Roller Press Edge binder, Jig Saw and Laser cutting machine. These machines are procured to uplift quality of existing ongoing projects and development work and support small product development like mini projects, problem base learning, project base learning and creative learning. Laser cutting machine procured was inaugurated on 11th January 2020 at the hand of honourable Shri. Chandrabhan G. Mishra, Advent Transformer, Principal Dr. K. N. Nandurkar and Dr. P. J. Pawar (Head of Production Engineering). Laser Cutting machine will enhance knowledge skill application, Software utilization like AutoCAD, Catia, Solid Works etc. Student will able to design various products and manufacture them successfully. Through these machines we will able to speed up and improve quality of mini

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projects, fixtures, working prototypes of various devices, automation process plants, 3D structures, Teaching aids and decorative articles.

Felicitation Program for Placed Students

In K. K. Wagh team visited various schools and colleges in and around Nashik with an objective of felicitating the K. K. Wagh IEER students who got selected through campus interview. Our team visited their schools like Adarsh Madhyamik Vidhyalaya, Rasbihari International School, K K Wagh Polytechnic, Pravara Central School, Kothari Kanya Vidyalay etc. On this occasion school students were informed about the K. K. Wagh Education Society and its activities. Our team also appreciated the efforts of schools in building the students' strong academic and culture foundation during students' school days.



Felicitation of K K Wagh IEER Campus Interview Selected Students and their proud parents at Government Polytechnic, Nashik.



Felicitation of K K Wagh IEER Campus Interview Selected Jalgaon Students and their proud parents at Jalgaon



Felicitation of Campus Interview Selected Students and their Proud parents at Rasbihari International School, Nashik

FE Induction Program

As per AICTE, New Delhi and SPPU Pune structure induction program for first year

Engineering students conducted on 28th Jan 2020 to 1st Feb 2020 in second semester of A.Y. 2019-2020 by Science department. The function inaugurated by Principal Dr. K. N. Nandurkar, HOD Computer Dr. S. S. Sane, Dean Academics Dr. S. Y. Kute in presence of FE Incharge Dr. S. N. Kadlag. The External expert delivered expert lectures on various topics like Yogesh Bagul on "Goal setting and achievement", Mr. Shrikant Shendre on "Management guru Chhatrapati Shri Shivaji Maharaj", Mr. Shripad Kotwal on "Creativity and management skill of celebrity", Mr. Vipul Patil, Dr. Vishal Sangle and Mr. Prashant Gallewale on "Employability skill", Mr. Sameer Deo on "Creativity and Brain Storming" with great enthusiasm.



FE Induction Program

Industrial Visits Organized For Students:

Date	Class	Name of Company
04/01/2020	SE Chemical	Abelin Polymers, Ambad, Nashik
29/01/2020	BE Chemical	VSCL, Vadivhare, Nashik

Placement Activities :

Total 13 campus interviews were held in the month of January 2020. Placement Numbers are as detailed below:

Name of Company	No.of students selected (Placed)
Infosys	65
Amdocs	12
FiniQ (Internship)	12
ICICI Prudential	06
Winjit Technologies	05
Dmart	03
Dramwares	02
Eagle Peak	01
Toyo Chemicals	01
Total	107



■ **Expert Lecture/Seminar/Courses/Worshop Conducted:**

- Electrical Engineering Department conducted IET Sponsored National Level workshop on "Advances in Power Technologies (APT-2020)" from 22 – 25 January 2020, Expert Lecture on "Preparation for Competitive Exams" by Mr. Saurabh R. Sonawane on 17/01/2020 and Expert Lecture on "Protective Relay" by Mr. Pankaj Patil, Additional Ex. Engineer, Testing Division, MSETCL, Nashik on 16/01/2020. Same department also organized an Expert Lecture on "Illumination" by Mr. Yatin Mujumdar, Seal Tech, Nashik Road on 09/01/2020 and Expert Lecture on "Road Safety" by Jayesh Karhe Safety Officer, Ashoka Buildcom Ltd., Nashik on 11/01/2020.
- Chemical Engineering department organized expert lecture on topic of "Integrated & Advanced Energy & Infrastructure Systems" by Mr. C. R. Mohikar, Petro-Project Consultant, Nashik on 04/01/2020, expert lecture on topic of "Naptha Reforming and Manufacturing of aromatics" by Dr. V. V. Mahajani, Ex. Professor, ICT, Mumbai on 09/01/2020 and expert lecture on "Final Year Project" by Dr. P V Pathak, Rtd. Process Engineer on 10/01/2020. Same department also organized expert lecture on topic of "Preparation for Campus Placements" by Shruti Shah, (Alumnus of 2019 batch), Praj Industries Ltd, Pune for BE students on 11/01/2020 and expert lecture on topic of "Nanotechnology and Zeolites" by Dr. A. V. Borhade, Professor, RYK College, Nashik for BE Chemical Students on 25/01/2020.
- The Department of Information Technology conducted a seminar on "Holistic Health Self Care Approach to life" by Dr. Saroj V Upasani, Vice Principal, Sir Dr. M. S. Gosavi Institute of Nursing Education, Training & Research Nashik on 6th January 2020 and a seminar on "Open Source Platforms" by Mr. Gayas Shaikh, Head of IRT Redhat Technologies, Nashik on 17th January 2020.

■ **Congratulations**

Lokmat Prerana Puruskar 2020 awarded for Excellence in Engineering Education to Principal Dr. K. N. Nandurkar, Prof. Dr. S. S. Sane (Head of Computer Engg.), Prof. Dr. D. M. Chandwadkar (Head of E & TC Dept.), Prof. P. D. Bhamare (Head

of IT Dept.) and Prof. Milind Murugkar (Head of Mechanical Dept.). The awards are given at the hands of Prof. E. Wayunandan, Vice Chancellor of Yashwantrao Chavan Maharashtra Open University and Mr. Vishwas Nangare Patil (Police Commissioner, Nashik) on 24th January 2020.

■ **A Review of Ensemble Based Classification and Clustering in Machine Learning**

Mrs. Rupali M. Bora, Mrs. Smita N. Chaudhari and Ms. Shilpa P. Mene

(Published paper in International Journal of New Innovations in Engineering and Technology, Volume 12, Issue 3, December 2019)

Abstract: Ensemble methods have been effectively used as a classification scheme. Bagging is a simple and powerful ensemble method which relies on bootstrap sampling over training data for diversity production. In ensemble margin framework, the margin theory is exploited to design better ensemble classifiers. Due to the ability to combine multiple base clusterings into a probably better and more robust clustering, the ensemble clustering technique has been attracting increasing attention in recent years. Despite the significant success, one limitation to most of the existing ensemble classification and clustering methods is that they generally treat all base models equally regardless of their reliability, which makes them vulnerable to low-quality base classifiers and clustering. It remains an open problem how to evaluate the reliability of these models and exploit the local diversity in the ensemble to enhance the consensus performance, especially, in the case when there is no access to data features or specific assumptions on data distribution. In this paper a review of margin-based classifiers and clustering approach based on ensemble-driven cluster uncertainty estimation and local weighting strategy is presented.

Keywords: ensemble-based classification, margin, bagging, local weighting, ensemble clustering

Prof. Dr. K. N. Nandurkar
PRINCIPAL

