

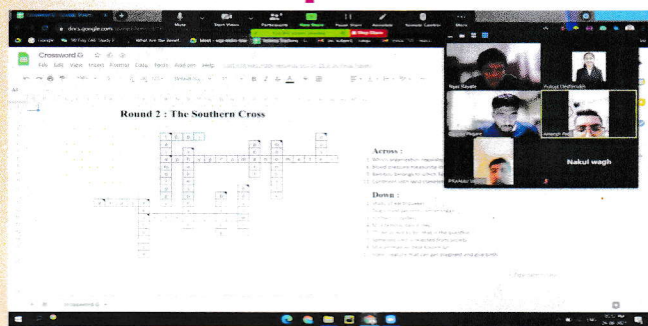


**K.K. Wagh Education Society's
K.K. Wagh Institute of Engineering
Education and Research, Nashik.**

May/June 2021

**Vol. : 13
Issue : 5/6**

■ **NEURO-ON 2.0 Competition**



Neuro-On 2.0 Competition

The Indian Society for Technical Education (ISTE) Students' Chapter of K.K. Wagh Institute of Engineering Education and Research organized Neuro-On 2.0 through online mode with a total registration of 119 participants from First Year to Last Year. The competition comprised of four rounds out of which the first round was 'Agile Mind Forward' which was basically a question-and-answer test conducted through the MyExamo Portal. It consisted of questions based on cognitive analysis, verbal ability and quantitative aptitude. The second round was 'The Southern Cross' where the participants were tested for their knowledge based on General Knowledge, Current Affairs, Global and Language Proficiency. The visual perception skills, mechanical reasoning, speed and accuracy were examined in the third round named as 'Fastest Finger First'. The last round was 'Are you the Brainiac?' where the top 5 contestants were given 10 different types of questions inclusive of Tricky Brain Teasers. After this, Principal Dr. K. N. Nandurkar shared his views about ISTE and the activities it conducts during every academic year. Dr. Pramod Shahababkar, Training and Placement Officer, enlightened the audience with the importance of co-curricular activities and how it affects one's personality as a whole. The chief guest for the event was our alumni Mr. Ritesh Joshi

(Production 1995 Batch), Labour Relations Leader India, China and Asia Pacific at Cummins Inc., Pune.

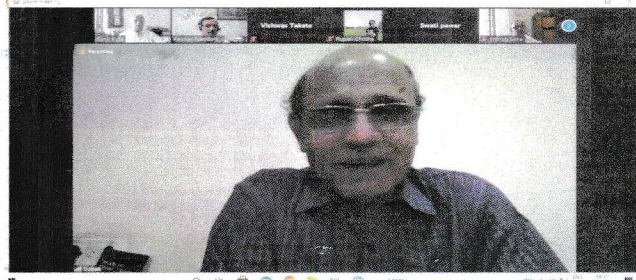
■ **Online Session by Dr. R. G. Tated**



A session by Dr. R. G. Tated

Department of Electrical engineering of K. K. Wagh Institute of Engineering Education and Research organized a session by Dr. R. G. Tated (Ex-Pro VC and Corporate Trainer) on 19th May 2021 on the topic emphasizing the need for Engineering Education. The whole session was delivered in Marathi. For the program, Secretary Prof. K. S. Bandi, Principal Dr. K. N. Nandurkar, other Principals and Heads of departments of various institutes of K. K. Wagh Education Society were present. The session was open to all prospective students and their parents. Around 500 participants attended the session.

■ **Expert session by Mr. Mahesh Dabak on NEP 2020**



An expert talk by Shri. Mahesh Dabak on NEP

An expert talk by Shri. Mahesh Dabak, Member of education committee of NITI Aayog, New Delhi was organized by our institute on

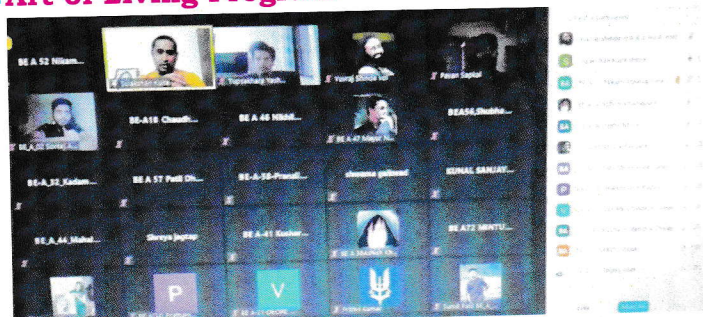
"National Education Policy 2020" on 27th May 2021 for all staff. For this program Principal Dr. K. N. Nandurkar, Principals, Heads of departments and staff of various institutes of K. K. Wagh Education Society were present. Shri. Mahesh Dabak explained in simple manner how the policy is framed and the details of possible implementation plan for the National Education Policy.

■ Motivational Session for FE Students



Motivational session by Ms. Kanishka Thakur & Mr. Venkyi Kataria
Motivational session for FE students was organized by Science department on 15th May 2021. Speakers were Ms. Kanishka Thakur & Mr. Venkyi Kataria, our alumni from E&TC and Mechanical Department respectively. Total 535 FE students and staff members attended the session. They explained the proper way of studying the engineering courses and importance of extracurricular activities during the course.

■ Art of Living Program



Art of Living program

Department of Civil Engineering organized Art of Living program from 26th May to 4th June 2021. The videos of Hon. Shri. Shri. Ravishankarji were shared in the program. The purpose of the program was to improve the immunity in the period of Covid 19, stress management, mental health, clarity of thoughts, cool and happy mind etc. The program was organized on daily basis during the said period from 8.00am to 8.30am and 7.00pm to 7.30pm.

■ Yoga session by Dr. Uttam Kalwane

Yoga Session was organized by our institute on 5th May 2021 by Dr. Uttam Kalwane at 7:00 am. Dr. Uttam Kalwane explained very nicely how Yoga is important for maintaining good health with

K. N. Nandurkar, Principals and Heads of Departments of various institutes of K. K. Wagh Education Society were present. Total 281 students and staff members attended the program.

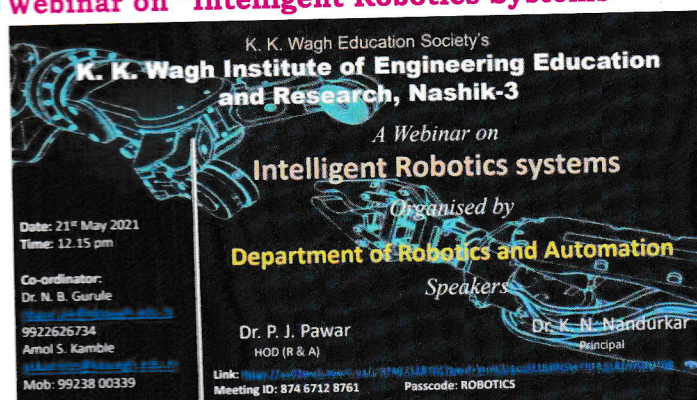


Yoga Session by Dr. Uttam Kalwane

■ Governing Body Meeting on 14th May 2021

The Governing Body meeting of K. K. Wagh Institute of Engineering Education and Research, Nashik was held under the Chairmanship of Hon. Shri. Balasaheb Wagh on Saturday 14th May 2021 at 3:00 pm via Zoom platform. For this meeting Hon. Trustee Shri. Changdeorao Holkar, Shri. Ashok Merchant, Shri. Sameer Wagh, Mr. Shrikant Karode (Industry Representative), Principal Dr. K. N. Nandurkar, Dr. S. S. Sane and Prof. Mrs. Shilpa P. Mene were present.

■ Webinar on "Intelligent Robotics Systems"



Webinar on "Intelligent Robotics Systems"

The Department of Robotics and Automation organised a Webinar on "Intelligent Robotics Systems" for the Students of TY Electrical Engineering of K. K. Wagh Polytechnic, Nashik on 21st May 2021. Head of Department Prof. Dr. P. J. Pawar delivered session on "Intelligent Robotic system". Dr. S. R. Gangurde provided information about the Robotics and Automation Department. Dr. N. B. Gurule offered vote of thanks. The Webinar was coordinated by Prof. A. S. Kamble.

Condolence



Prof. Jagannath S. Jadhav (Workshop Superintendent) Mr. Sandeep S. Khaire (Tech. Asst., E&TC Dept.) Mr. Mahesh Dhikale (Peon, E&TC Dept.)

Prof. Jagannath S. Jadhav (Workshop Superintendent) expired on 13th May 2021 due to Corona. He was working with the institute for over 30 years and was about to retire from service on 31st May 2021. Also Mr. Sandeep S. Khaire, Technical Assistant, E & TC Department expired on 27/04/2021 due to Corona and Mr. Mahesh Dhikale (Peon, E&TC) met with an accident on 26/04/2021.

Donation to Blind Association



Handing over the doantion



Donation of Grocery material

Employees of K. K. Wagh Institute of Engineering Education and Research collected Rs. 9000/- for donating to registered Social organization namely "The Blind Welfare Organization India" on social and humanity ground. The donation amount was handed over to President of this organization Mr. Arun Bharaskar by the hands of Principal Dr. K. N. Nandurkar on 1st June 2021. Also the grocery material was distributed to blind people at Panchavati and Nandur Naka, Nashik as the families of blind people are worst affected by the pandemic.

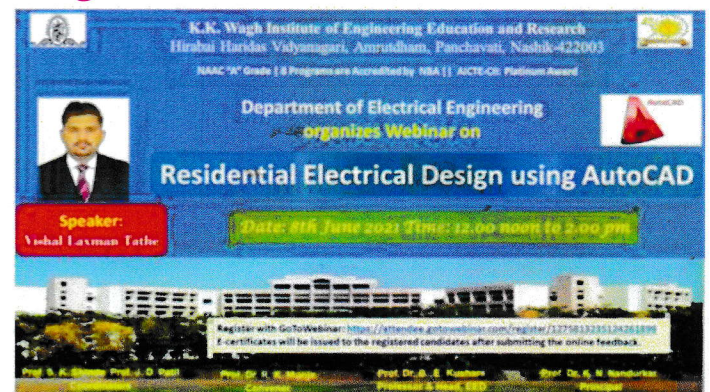
Shivrajyabhishek Din Celebration



Shivrajyabhishek Din Celebration

Shivrajyabhishek Din was celebrated on 7th June 2021 by NSS Unit of our institute as per Guidelines of SPPU Pune. Worship of Photo of Shivaji Maharaj was done at the hands of Principal Dr. K. N. Nandurkar. Members remembered the contribution of Chatrapati Shri. Shivaji Maharaj in developing the Swaraj around 400 years ago. Rajyabhishek day was an important landmark as it established the identity of Maratha Kingdom.

Webinar on "Residential Electrical Design using AUTOCAD"

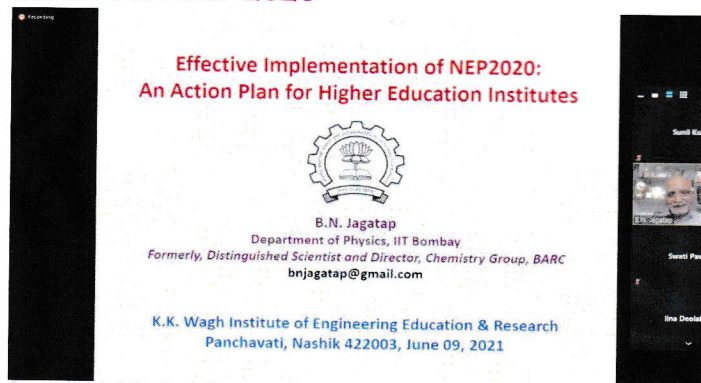


Webinar by Dr. V. L. Tathe

Department of Electrical engineering of our institute successfully organized the Webinar on

"Residential Electrical Design using AutoCAD" by Shri. V. L. Tathe, Ph.D. Research Scholar, SVNIT, Surat for the faculty members and students of Polytechnics on 8th June 2021. A total of 647 participants registered for this webinar from all over Maharashtra. In this webinar, Shri. V. L. Tathe discussed basic commands in AutoCAD Software, different components in Electrical Wiring and their symbols, the case study of Designing of 1BHK flat wiring, Single line diagram, etc. The session was well appreciated by the participants.

■ Session on NEP 2020



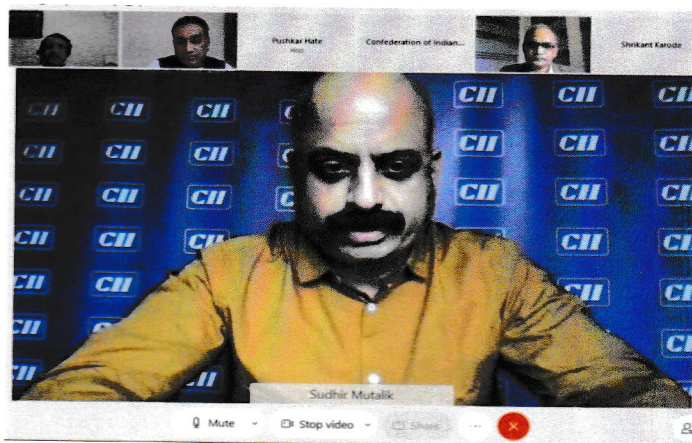
An expert talk by Prof. B. N. Jagtap

An expert talk by Prof. B. N. Jagtap (Professor, I.I.T. Bombay and formerly Distinguished Scientist and director, Chemistry group of BARC) was organized by our institute on "National Education Policy 2020" on 9th June 2021 for all staff. For this program Hon Trustee Sameer Wagh, Secretary Prof. K. S. Bandi, Principal Dr. K. N. Nandurkar, Principals, Heads of departments and staff of various institutes of K. K. Wagh Education Society were present. Prof. B. N. Jagtap explained with good power point presentation about all Education Policies which were framed earlier in India and what changes were observed in each Education Policy. He also focused on National Education Policy 2020. He emphasised on implementation of Policy should be proper in view of quality education in India. Total numbers of faculty Participants from K. K. Wagh Education Society were 400.

■ Online CEO connect organized by CII- North Maharashtra Zone

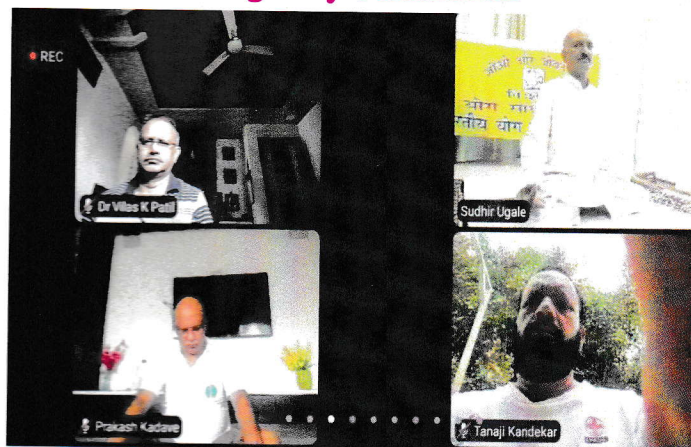
Online CEO Connect programme was organized on 14th June 2021 by CII- North Maharashtra Zone. The main speaker was Mr. Sudhir Mutalik who is MD of Positive Meterings Pumps Ltd., Nashik and also President of CII Maharashtra State Council. Topic of his speech was 'Startup opportunites in Atma Nirbhar Bharat'. Students of final year from all branches and students from

other engineering colleges in the city joined the event. Principal Dr. K. N. Nandurkar delivered the welcome speech as Co-convenor of Industry-Academia panel of CII Maharashtra State Council and Prof. Dr. P. K. Shahabadkar coordinated the event.



Online CEO Connect Programme

■ International Yoga Day Celebration



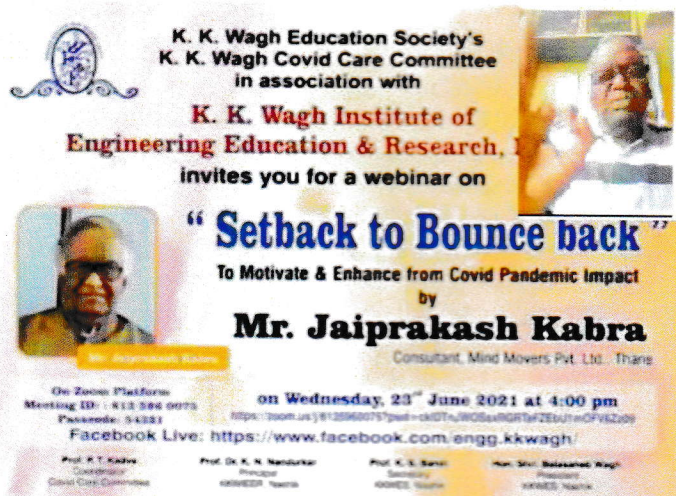
Yoga Day Celebration

On 21st June 2021, 7th international Yoga day was celebrated in online manner by K. K. Wagh Institute of Engineering Education and Research, Nashik in association with Bharat Yog Shikshan Mandal. More than 370 teaching and non teaching staff attended the session. Yog shikshak Shri. Sudhir Ugale demonstrated yoga postures, pranayam and prayer. Principal Dr. K. N. Nandurkar, Prof. P. T. Kadve and Dr. K. S. Jain were the dignitaries present at the yoga session. Dr. N. B. Gurule, Shri. Sarang Naik and Shri. Atul Watpade had taken the efforts for organization of the program.

■ Session by Shri. Jaiprakash Kabra on "Setback to Bounce Back"

An expert talk on "Setback to Bounce back" was organized by expert Mr. Jaiprakash Kabra (Consultant, Mind Movers Pvt. Ltd Pune) on

23rd June 2021. Around 400 staff attended the program. He explained the importance of positive mindset with several example of successful personalities. He created the hope that such pandemics situation will be over soon and the life will be normal. We must be prepared for that.



K. K. Wagh Education Society's
K. K. Wagh Covid Care Committee
in association with
**K. K. Wagh Institute of
Engineering Education & Research, Nashik**
invites you for a webinar on
"Setback to Bounce back"
To Motivate & Enhance from Covid Pandemic Impact
by
Mr. Jaiprakash Kabra
Consultant, Mind Movers Pvt. Ltd., Thane
On Zoom Platform
Meeting ID : 813 096 0073
Passcode: 34381
on Wednesday, 23rd June 2021 at 4:00 pm
https://zoom.us/j/8130960073?pwd=ck07NjR0Q0RlRGRfZU9uOEV5Z0p0
Facebook Live: <https://www.facebook.com/engg.kkwagh/>
Prof. R. T. Kadlag
Coordinator
Covid Care Committee
Prof. Dr. K. N. Nandurkar
Principal
K. K. Wagh Institute
Prof. K. S. Sarin
Secretary
K. K. Wagh Institute
Hon. Shri. Rajendra Wagh
Member
K. K. Wagh Institute

Expert talk by Mr. Jaiprakash Kabra

■ Inauguration of Five Week Crash course on MH-CET

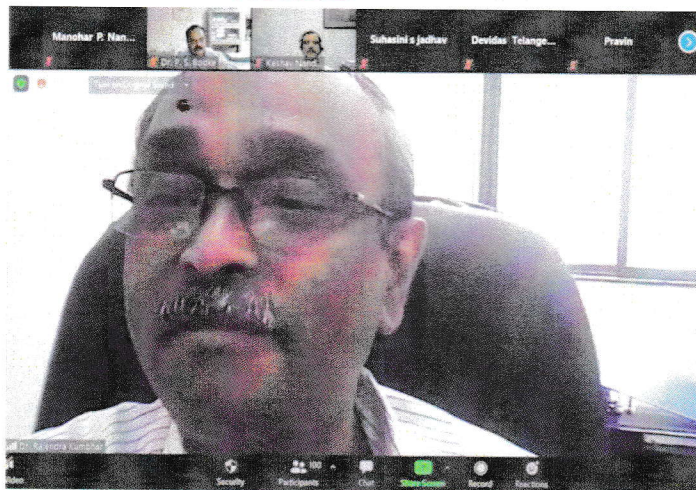


K. K. Wagh Education Society's
**K. K. Wagh Institute of
Engineering Education & Research, Nashik**
Website: www.engg.kkwagh.edu.in
Department of Applied Science & Mathematics
Organizes
**5 Weeks MHT-CET Crash Course for
PCM group**
Schedule
26th June to 31st July 2021
Live Session Through Zoom Platform
Limited Participant-100
(First Come, First Serve Basis) 1000+ MCQs Practice
Registration Link: <https://forms.gle/Qm3P1BB5RaCoDmHj6>
Coordinators and Subject Experts (15+ Years of Teaching Experience in Engineering)
Dr. Ganesh B. Dabhade
M.Sc., M.Phil., SET, Ph.D. (Chemistry)
9421096686
Dr. S.N. Kadlag
(H.O.D.)
Prof. Hemant S. Tajanpure
M.Sc., B.Ed. (Mathematics)
9657187404
Dr. K.N. Nandurkar
Principal

Five week online MH CET Crash Course

Five week online MH CET Crash Course for PCM group is started in the institute from 26th June 2021. It was inaugurated online in presence of Principal Dr. K. N. Nandurkar and Prof. Dr. S. N. Kadlag (HOD Scienced Department). Prof. Dr. Ganesh Dabhade and Prof. Hemant Tajanpure are involved in teaching the subjects. This is the second year of running this crash course and it is helpful for the students who are preparing for the CET examination as other physical classes are closed due to Covid-19 restrictions.

■ Vachan Din Celebration

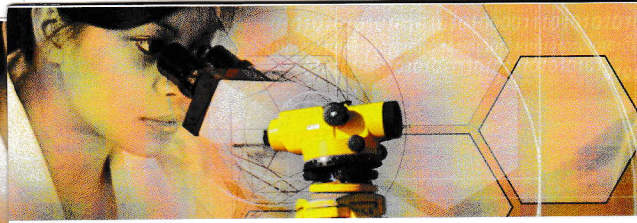


Expert talk by Prof. Rajendra Kumbhar

Vachin Din was celebrated in the institute on 28th June 2021. On this occasion the Chief Guest was Prof. Rajendra Kumbhar, Head of Library Science, SPPU Pune. He delivered an expert talk on "Vachan Ani Vyaktimatva Vikas". Principal Dr. K. N. Nandurkar gave welcome speech on this occasion. Total 102 students and staff attended this talk. He also suggested some good books which must be read by all students of engineering for excellence in their career.

■ Expert Lecture/Seminar/Courses/Workshop Conducted:

- Computer Engineering department organized Online Hands-on Training Course for Students of Third Year on topic "Google Data Studio" by Dr. R. D. Kulkarni on 22nd May 2021.
- Electronics and Telecommunication Engineering Department organized Webinar on "Role of Electronics Engineers in Digital Transformation" by Mr. Renjith. C. V. on 24/05/2021, Webinar on "Electric Vehicles" by Bhavisha Kalani, Vice President- Business development, AIESEC, Nashik on 25/05/2021 and Webinar on "Opportunities and Career Path For Electronics & Telecommunication Engineer" by Mr. Jagdish Ugale, Manager R & D Department, TAS POWERTEK Pvt. Ltd on 29/05/2021.
- Electrical Engineering department organized webinar on "Leader – Talks Series Graduates Journey: From Campus to Corporate" by Shri Sandip Kulkarni, Sr. Manager CGPISL Aurangabad on 29/05/2021.
- Production Engineering Department organised expert lecture on "Supply Chain Management" by Mr. Sagar Laddha, Varroc Group, Aurangabad on 01/05/2021 and Expert lecture



on "Need of Electronics in Industry" by Mr. Sanjay Chaudhari, Electronic Study Center on 07/05/2021. Same department also organized Expert lecture on "CAD/CAM" by Mr. Amit Joshi, Tyson online Pvt. Ltd on 15/05/2021 and Expert lecture on "Recent trends in Production Technology" by Mr. Vishal Kulkarni, ABB India, Nashik on 30/05/2021.

- Chemical Engineering Department organized expert Lecture on "Let's Xcel- Sharpening skills of Graduates" by Mr. Niraj Kulkarni (Alumnus of 2019), Aquarius Chemicals, Pune on 24/05/2021 for TE Chemical students and for SE Chemical students on 01/06/2021. Same department also organized Expert lecture on "Batch Distillation" by Dr. V. V. Mahajani (Ex Professor of ICT Mumbai and an Advisory committee members of our Institute on 25/06/2021 for SE, TE, & BE Class.
- MBA Department organized Expert talk on "Specialization Selection Guidance Session" by Alumni - Mr. Sagar Sonawane, Mr. Yogesh Laddha and Mr. Nikhil Dulla on 29/05/2021.

■ Expert Lecture/Seminar/Courses/Workshop Attended:

- Computer Engineering staffs Rakhee Palde, Poonam Shete, Priti Vaidya and Malti Barve attended 5 day workshop on "Role of Supporting Staff in NBA Accreditation Process and Self Development" from 10th to 14th May 2021, Reshma K. Dhurjad attended Online Workshop on "Research Development and Innovation Ethics" from 17th to 19th May 2021 and One day Webinar on 'Stress Management' on 23rd May 2021. Smita Patil, Priya Rakibe have attended 3 days FDP on "Recent Trends in wireless communication Technology" from 27th to 29th May 2021 and Three days FDP on "Innovative Teaching Learning Methods" from 10th May to 12th May 2021. Smita Patil attended 3 days online workshop on "Cyber Security" from 17th to 19th May 2021. Priya D. Rakibe has attended One week FDP on "Introduction to MOODLE for teaching learning process" from 17th to 22nd May 2021. Namrata M. Pagare attended 6 days FDP on "Deep Learning Tools & Applications in Engineering & Science" from 10th to 15th May 2021. Megha Patil has attended 5 days online FDP on "Artificial Intelligence" from 24th May to 28th May 2021. P. S. Kubal attended STTP on "Practical Exposure on Machine Learning and Data Science" from 26th April 2021 to 1st May,

Vaidya, Prof. J. R. Mankar, Prof. C.R. Patil, Prof. S. T. Patil, Prof. M. J. Patil, Prof. N. M. Pagare, Prof. S. D. Jadhav, Prof. M. N. Shinde, Prof. P. D. Rakibe, Prof. A. V. Taware have attended FDP on "Augment Reality & Virtual Reality" from 21st June to 25th June 2021. Prof. S. K. Gondhalekar attended ATAL FDP on "Artificial Intelligence and its Applications" from 7th to 11th June 2021. Prof. K. P. Birla has attended Online Webinar on "AWS Data Analytics Fundamentals" on 24th June 2021 and Online Webinar on "Unity - Making Movies in Real-time: Unity for Film & Animation" from 27th to 29th June 2021. Prof. N. M. Pagare, Prof. S. D. Jadhav attended Online Workshop on "Fundamentals of Deep Learning" on 26th June 2021. Prof. R. K. Durjad attended STTP on "Deep Learning applications in "Cyber Security for Engineering and science" from 14th to 19th June 2021.

- Electronics and Telecommunication Engineering staff Mr. P. J. Mondhe attended Workshop on "Research Metrics on 04/05/2021. Prof. Dr. D. M. Chandwadkar attended Workshop on "Outcome Based Education and National Assessment and Accreditation Council (NAAC)" from 14/05/2021 to 15/05/2021 attended Workshop on "OBE Concepts & Implementation and Digital Preparedness for NBA" on 29/05/2021. Mrs. K. Nirmalakumari attended Faculty Development Program on "Artificial Intelligence" from 24/05/2021 to 28/05/2021.
- Production Engineering Head Prof. Dr. P. J. Pawar completed Coursera course on "Understanding Research Methods on 31st May 2021. Dr. S. R. Gangurde completed Coursera course on "Modelling and Design for Mechanical Engineers with Autodesk Fusion 360" on 7th May 2021. Prof. A. S. Kamble completed Coursera course on "Perfect Tenses and Modals" on 29th May 2021. Prof A. G. Nandre attended Coursera course on "Google Forms" on 17th May 2021. Prof. M. Y. Khalkar completed Coursera course on "Data structure using Python (7 Weeks)" on 3rd May 2021. Mr. Y. D. Khairnar has completed Coursera course on "Introduction to Public Speaking on 19th May 2021 and Improving Math Engagement with Prodigy on 21st May 2021. Dr. N. B. Gurule attended workshop on "Additive Manufacturing for Competitiveness" (Half Day) arranged by National Institute of Industrial Engineering (NITIE), "NBA Awareness workshop" (4 Days) arranged by Association of the Managements of



Un-aided Engineering Colleges (Maharashtra) and workshop on "Industrial Robotics and Future of Artificial Intelligence" (2 Days) arranged by Dattakala Group of Institute. Prof. M. Y. Khalkar attended workshop on "Robotic operating System" (2 Weeks) arranged by MIT Pune.

- Dr. Sumisha and Dr. Yennam Rajesh attended workshop on "Advances in Chemical Engineering" organized by Chemical Engineering Department of Jawaharlal Nehru Engineering College, MGM University, Aurangabad from 24/05/2021 to 26/05/2021. Dr. Sumisha also completed Coursera Course on 'Nanotechnology and Nanosensors, Part1' from 28/04/2021 to 09/05/2021 and FDP on "Inculcating Universal Human Values in Technical Education" organized by AICTE from 31/05/2021 to 04/06/2021 and ATAL FDP on "Green Technology and Sustainable Development" organized by Amity University Rajasthan, Jaipur from 14/06/2021 to 18/06/2021. Prof. T. B. Mahale attended completed course on "Business English: Planning & Negotiation" by University of Washington from 02/05/2021 to 11/5/2021, completed Coursera course on "Programming for Everybody (Getting Started with PYTHON)" from 02/04/2021 to 30/04/2021 and FDP on "Technology Based Entrepreneur Development Program on Solar Sector" by Udyogvardhini & Department of Science and Technology Government of India from 08/03/21 to 19/04/2021. Prof. P. P. Joshi, Prof. Dr. Yennam Rajesh attended FDP on "Green Technology for Enhancing Livelihood" organized by Center for Smart Infrastructure in association with Center for Renewable Energy & Environment (CREE) and Department of Electronics & Communication Engineering, held at Centurion University of Technology and Management, Bhubaneswar Campus, Odisha, India from 31/05/2021 to 04/06/2021. Dr. Yennam Rajesh also attended ATAL FDP on "Functional Materials for Energy Environment and Healthcare" organized by NIT Calicut, from 21/06/2021 to 25/06/2021.
- MBA Staff Dr. S. P. Dhake, Mrs. A. A. Hippalgaonkar and Mrs. H. S. Rayate attended Online Webinar on "Project Proposal Writing" by D Y Patil College of Engineering and Technology, Kolhapur on 27/05/2021.

■ Congratulations



Principal Dr. K. N. Nandurkar was nominated as Margadarshak by AICTE for guiding the institutes in nearby region who are preparing for NBA accreditation. He was invited as keynote speaker for inauguration on One week Atal FDP on "Innovative and Inventive Problem Solving" organized by AISSMS College of Engineering Pune on 22nd June 2021.

- Principal Dr. K. N. Nandurkar was invited as panellist for two online discussions organized on 18th June 2021. First was Education Excellence Conclave 2020- Focus on Internationalization of Higher Education Institute and second on "How educational institutes in Maharashtra rose upto Challenge of pandemic and the way ahead" organized by College Dunia.

■ Congratulations



Our first year students from AI & DS won 1st prize for their project in GMRT national level Science Competition. This competition was organized by G.M.R.T. (NCRA-TIFR) Pune and 'Indian Institute of Knowledge', Pune. Total 329 institutes all over the country participated in the competition. There were 650 projects divided in 5 groups. Our team won the first prize in Group V which included on UG and PG students. The students were working on the project related to Natural River Trash Regulation under the guidance of Prof. J. P. Shah (Electrical Engineering). There were several rounds of presentations in front of eminent scientists who acted as judges.



■ Congratulations



(Funding for AICTE-IDEA LAB at the Institute)

K. K. Wagh Institute of Engineering Education and Research is beyond proud to have achieved this milestone of receiving funding for AICTE-IDEA Lab. AICTE IDEA lab is Idea Development,

Evaluation, and Application Lab for encouraging students in the application of fundamentals towards enhanced hands-on experience, learning by doing, and product visualization. We are looking forward to a key collaboration that benefits our students at large. The total project is worth Rs.1.1 Cr and AICTE will be the giving Rs.53 Lacs for development of the Idea Lab.

Only 49 institutes from country have been selected for this funding. Out of the 5 institutes from Maharashtra, K. K. Wagh Institute of Engineering Education & Research, Nashik is the only institute under Savitribai Phule Pune University.

Kulkani (TE Computer) will be representing INDIA for the Next Generation Water Action at IWA Water Congress scheduled in May 2021 in Copenhagen, Denmark.

■ Congratulations



Prof. S. S. Dhamal (Associate Professor, Electrical Engineering) has completed Ph.D. from Sant Gadge Baba Amaravati University, Amaravati Under the guidance of Dr. M. V. Bhatkar. The topic of his Ph.

D. was On-Line Condition Monitoring For Three-Phase Induction Motor by DSP Method.

■ Abstracts of papers presented during May/June 2021 Effective Multi-Label Classification Using Data Preprocessing

Vaishali S. Tidake & Prof. Dr. Shirish S. Sane

(Published book chapter in IGI Global)

Abstract: Usage of feature similarity is expected when the nearest neighbours are to be explored. Examples in multi-label datasets are associated with multiple labels. Hence, the use of label dissimilarity accompanied by feature similarity may reveal better neighbors. Information extracted from such neighbours is explored by devised MLFLD and MLFLD-MAXP algorithms. Among three distance metrics used for computation of label dissimilarity, Hamming distance has shown the most improved performance and hence used for further evaluation. The performance of implemented algorithms is compared with the state-of-the-art MLkNN algorithm. They showed an improvement for some datasets only. This chapter introduces parameters MLE and skew. MLE, skew, along with outlier parameter help to analyze multi-label and imbalanced nature of datasets. Investigation of datasets for various parameters and experimentation explored the need for data preprocessing for removing outliers. It revealed an improvement in the performance of implemented algorithms for all measures, and effectiveness is empirically validated.

■ Congratulations! Team Ekatvam Innovations Pvt. Ltd.



PIYUSH BHANDARKAR
Founder, Ekatvam Innovations Pvt Ltd
(BE Production Engineering)



MIHIR PALAV
(BE Computer Engineering)



PAVAN SAPKAL
(BE Civil Engineering)



ATHARVA KULKARNI
(TE Computer Engineering)

Startup working in Rural Water Sector, founded by our college students Mr. Piyush Bhandarkar (BE Production), Mr. Mihir Palav (BE Computer), Mr. Pavan Sapkal (Pavan Sapkal) and Mr Atharva