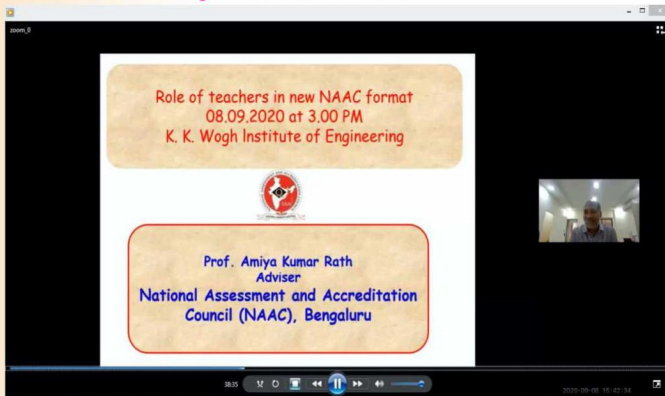


Teachers Day Celebration



An online seminar by Amiya Kumar Rath (Advisor, NAAC) on occasion of Teachers Day



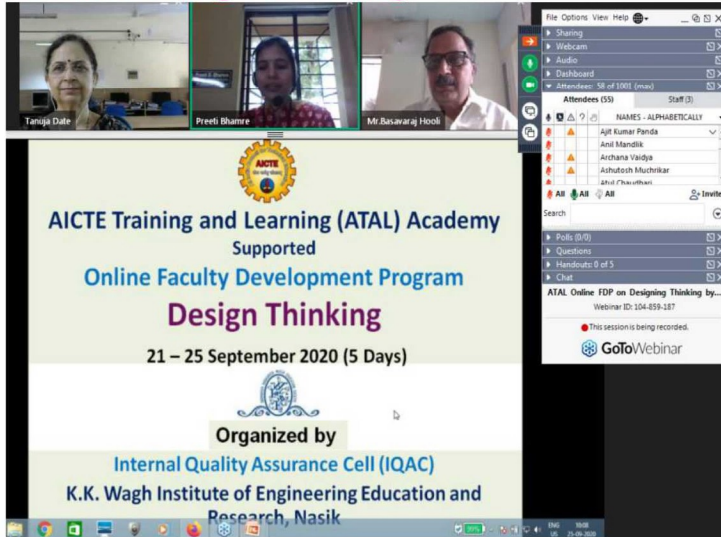
Best Video Maker Award to faculties

K. K. Wagh Institute of Engineering Education and Research in association with Indian Society for Technical Education's (ISTE) College Chapter celebrated "Teachers Day" by organizing a webinar on 8th September, 2020. We were honoured to have Dr. Amiyakumar Rath, Advisor, National Assessment and Accreditation Council (NAAC), Bangalore as the Speaker for the day. He enlightened us on the topic "Role of Teachers in new NAAC format". "It is necessary for teachers to understand the new education policy and to implement various teaching methods with changing times in order to maintain the quality of education", said, Dr. Rath. Talking about the assessment criteria of educational

quality assessing bodies such as NAAC and NBA, Dr. Amiyakumar Rath said that it was necessary to understand changing evaluation criteria along with implementing the changes in educational system as suggested by these bodies. This year's "Teachers day" was celebrated jointly with all the educational institutes under K. K. Wagh Education Society. On this occasion, senior most teaching and non teaching staff were felicitated based on the age and years of service in the Institute. Being in service of K. K. Wagh Education Society from many years, Senior Professor and Principal of K. K. Wagh Institute of Engineering Education and Research, Dr. K. N. Nandurkar was felicitated on this occasion. Along with him Mr. Rajaram Tope and Mr. Bhagwan Bachate (Non Teaching personnel) were felicitated for their noteworthy service. Also, Dr. Shantaram Kadlag who strived for the overall development of the students even after retirement was accorded for his remarkable service. In the wake of Covid-19 pandemic, teaching- learning process has become online, for which teachers have taken all the necessary efforts in making the process simpler. To select the best videos made by the professors, an evaluating body was formed at Institute level which assessed the videos on different parameters. Selected faculty members from various institutions of K. K. Wagh Education Society were also awarded for their eminent efforts in preparing explanatory, illustrative videos based on syllabus for the better understanding of students. Prof. Apurv Vaidya, Prof. Ganesh Jadhav, Prof. Sheetal Wani, Prof. Pratik Kadam of K. K. Wagh Institute of Engineering Education and Research; Prof. Dr. P. R. Chaudhari of K. K. Wagh Institute of Agriculture bagged the reward for creating the best videos. Prof. Manjusha P. Bhosale, Prof.

P. P. Aher and Prof. Abhijeet Pawar were given appreciation certificate for their efforts. This program was organized under the guidance of President of K. K. Wagh Education Society, Hon. Balasaheb Wagh, Secretary Prof. K. S. Bandi, Trustee Hon. Sameer Wagh, Hon. Ashok Merchant, Hon. Changdev Holkar and Principal Dr. K. N. Nandurkar.

FDP on “Design Thinking”



FDP on “Design Thinking”

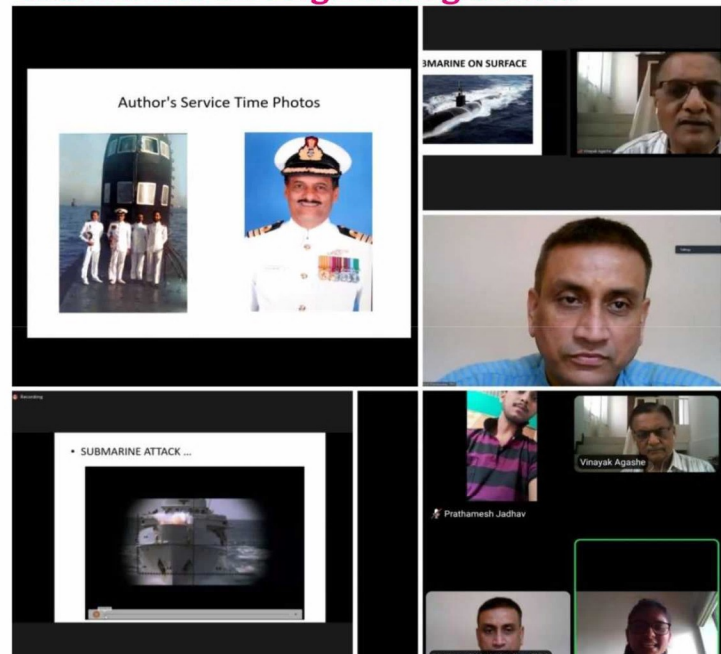


FDP on “Design Thinking”

Internal Quality Assurance Cell (IQAC), K. K. Wagh Institute of Engineering Education and Research, Nashik organized a 5 Days Online Faculty Development Program from 21st to 25th September 2020 on “Design Thinking” under AICTE (ATAL) academy funding scheme. Total 117 participants from various states of India took training in this program. Invited speakers Prof. Atul Kedia, Shahid Ahmad, Anant Tambade, Sarang Ganoo, Ketan Chaturmutha, Priyanka Kale and Basavaraj Hooli conducted sessions on various topics and demonstrated applications of Design Thinking Methods for Problem Solving in various ways. Participants were trained through various assignments and activities on Empathy

Tasks, Ideation, Prototype, Mental models, Concepts of Storyboard, Optimizing Design Experience, Mindful transformations and Education 4.0. Ms. Asha Pillai Balsara, Executive Director of World Centre for Creative Learning (WCCL) Foundation explained importance of Mindfulness and Meditation for being empathetic and creative in life. This program was supported by President of the K. K. Wagh Education Society Shri. Balasaheb Wagh, Trustee Shri Sameer Wagh and Principal Dr. K. N. Nandurkar. Dean Quality Dr. (Mrs.) Preeti Bhamre and Prof. (Mrs.) Tanuja Date with assistance from Ms. Harshada Aher successfully coordinated the Faculty Development Program.

ISTE chapter organized expert talk on “Submarine: An Engineering Marvel”



Glimpses of Expert Talk

The Indian Society for Technical Education (ISTE) Students' Chapter of K.K. Wagh Institute of Engineering Education and Research organized an expert talk on the topic Submarine: An Engineering Marvel on Thursday, 10 September 2020. Despite being on the online platform, the event was responded overwhelmingly with around 274 participants. The event was organized under the guidance of Prof. Dr. K. N. Nandurkar, Principal, KKWIEER. Dr. V. D. Barve, Ex-Principal, Dr. P. K. Shahbadkar, Training and Placement Officer, and Mrs V. R. Lele, Faculty Advisor, ISTE Students' Chapter, KKWIEER, were also present for this occasion. The speaker, Commander V. K. Agashe (retired) was a war veteran in the 1971 Indo-Pak war. For his contribution towards the nation, he was awarded the Vishishta Seva Medal from the President.

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8 Weeks course on 'Writing and Publishing Research Paper'

Writing and Publishing Research Paper: Week 1



INTRODUCTION



Dr. Ravindra Munje
Associate Professor
Electrical Department,
K. K. Wagh I. E. E. & R., Nashik



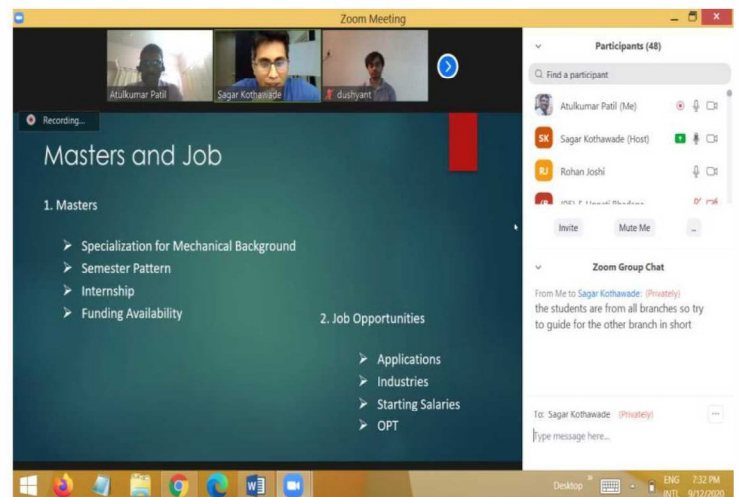
Inauguration of the Comprehensive Course

Department of Electrical engineering has successfully completed 8 weeks Comprehensive Course on 'Writing and Publishing Research Paper'. The course started on 6th September 2020 and concluded on 24th October 2020. Around 60 participants have completed this course. In this course, participants are empowered with all the vital skills required for writing and publishing research paper through examples, discussions, demonstrations, hands-on, and interaction. Weekly there was one session of two hours only on Sunday from 10 am to 12 pm. The course was designed in such a way that the research paper of the participants will be ready at the end of the course. Each week participants submitted assignments in parts, which collectively formed their research paper. The complete course was delivered by Prof. Dr. Ravindra Munje.

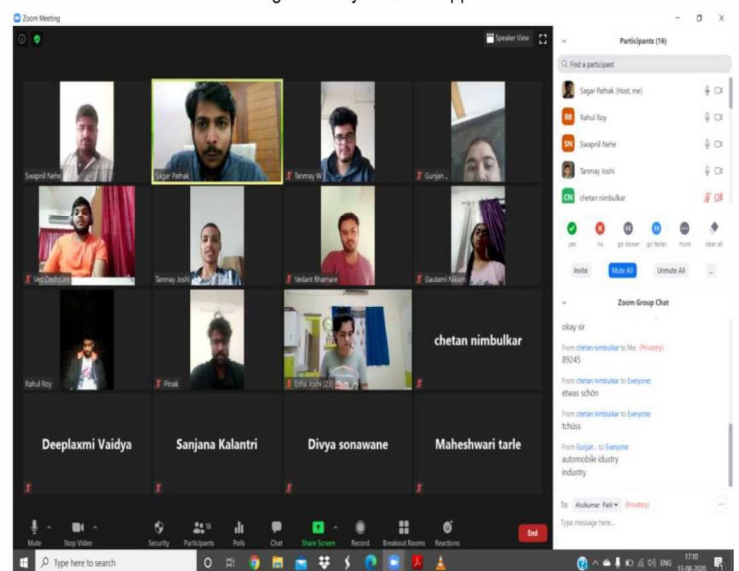
Online meeting with Students for US and Germany Admissions

International Facilitation Centre of our institute organized Online Guidance Session on “Higher Study and Job Opportunities in USA” by Mr. Dushyant Shindore (Design Engineer working with USA based MNC), Mr. Sagar Kothawade (Supply Chain Specialist, Entercoms Inc., Pune) and Mr. Rohan Joshi (FEA Analyst in USA based MNC) on 12/09/2020. Principal Dr K. N. Nandurkar welcomed all the speakers on this occasion. All the three Experts have appreciated the efforts taken by KKWIEER and emphasized on Hands on Training, Internship in industries and live projects like SAE BAJA, Robocon and

others are the key parameters to get admitted to Higher Study or getting jobs in MNC's. They have also shared their experiences related to the requirements of Higher study in USA Universities, preparatory guidelines for it, qualifying examinations and their eligibility requirements. They have briefed about the documentation procedure needed for getting admitted in US University, requirements of getting Passport and Visa permissions, Internship and part time job opportunities in US etc. in a very simple and understandable manner so that all the participants can get an idea of it. Prof. Atul Patil coordinated the program. Also International Facilitation Centre of our institute initiated two new batches for German language course (A1 level-14 students & A2 level-13 students). Student were informed about the higher study and job opportunities in Germany.



Online Guidance Session on “Higher Study and Job Opportunities in USA” on 12/09/2020



Initiation of two new batches for German language course



STTP on “IoT & Advanced Power Electronics Applications in Smart Grid”



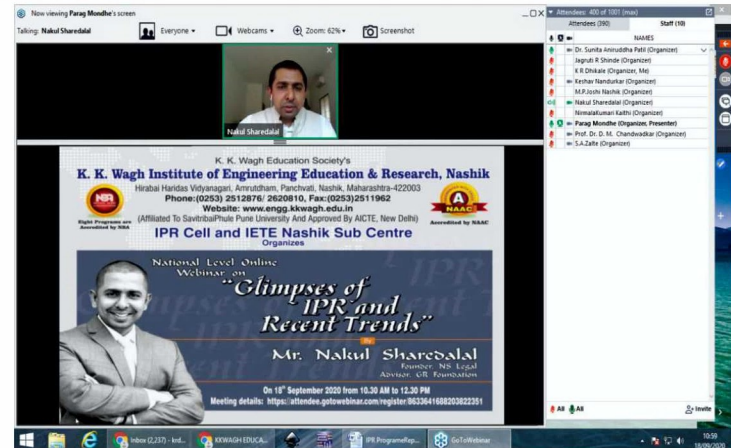
Inauguration of Online STTP.

The Electrical Department had received funds from AICTE for conducting a one-week Short-Term Training Programme (STTP). As per the guidelines of AICTE, during this COVID-19 the situation, it is to be conducted in three different phases in online mode. All three phases of the STTP are successfully completed. The 3rd phase of the same is recently completed from 14th to 18th September 2020. The title of STTP is “IoT and Advanced Power Electronics Application in Smart Grid”. A total of 250 plus participants registered for the same. Out of this, around 150 participants attended this STTP. The speakers were

1. Dr. R. P. Deshpande (Advisor & Faculty member: Calibrations- Electrical, vacuum & calibration system M/s. Belz Instruments Faridabad),
2. Dr. Kunisetti. V. Praveen Kumar (Assistant Professor, Department of Electrical Engineering, SVNIT, Surat)
3. Dr. O. G. Kulkarni (Mentor, Advisor and Consulting Engineer)
4. Dr. Avik Bhattacharya (Assistant Professor, Department of Electrical Engineering, IIT Roorkee, Uttarakhand)
5. Dr. Mitresh Kumar Verma (Professor, Department of Electrical Engineering, IIT (BHU), Varanasi)
6. Dr. S. A. Soman (Professor, Department of Electrical Engineering, IIT, Powai, Mumbai)
7. Dr. S. V. Kulkarni (Professor, Department of Electrical Engineering, IIT, Powai, Mumbai)
8. Dr. P. M. Meshram (Associate Professor, Department of Electrical Engineering, Yeshwantrao Chavan College of Engineering (Y.C.C.E), Nagpur)

9. Dr. P. Kundu (Associate Professor, Department of Electrical Engineering, SVNIT, Surat)
10. Mr. Vikrant Sankhe (Fellow IET Marketing & Strategy Head (Oil & Gas), Siemens Ltd, Mumbai)

Online Webinar on “IPR and Recent Trends”



Online Webinar on “Glimpses of IPR and Recent Trends”

IPR cell of our institute in association with IETE Nashik Sub Centre organized National level Online Webinar on “Glimpses of IPR and Recent Trends” on 18th September 2020. Speaker for the webinar was Mr. Nakul Sheredalal, Founder, NS legal advisor, GR foundation. Total 525 participants attended this webinar.

Activities under project for SC/ST Students



FDP for BE SC/ST students

Under the Project for Skill Development of SC/ST students which sanctioned to our institute by AICTE, Our institute organized Skill and Personality development program for BE SC/ST students by WordsMaya Edutech Pvt. Ltd. from 14th September 2020. Total no registrations were 112. Another programme on Skill and Personality development program for TE SC/ST students under the same project from 16th Sep. 2020. The resource person was by Mr. S. R. Karode. Total number registrations were 126.

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Congratulations



Most Dynamic Principal Award

Principal Dr. K. N. Nandurkar received Most Dynamic Principal Award given by Dynergic Business Solution for excellence and Leadership in Education during the online programme held on 11th September 2020.

Anant Chaturdashi Program



Ganesh Pooja on Anant Chaturdashi by the hands of Principal Dr. K. N. Nandurkar

Ganesh Festival was celebrated during 22nd August to 1st September 2020. The Ganesh Pooja was organized by the hands of Principal Dr. K. N. Nandurkar on 1st September 2020 on occasion of Anant Chaturdashi. For the program Shri. Ajinkya Wagh, Prof. N. B. Guruale, Dr. P. S. Bodke and other staff of the institute were present. This year the programme was held in a simple manner and the Ganesh Idol was donated at the collection Centre designated by Nashik Municipal Corporation (NMC) in order to avoid pollution.

Expert Lecture/Seminar/Courses/Workshop Conducted:

- Computer Engineering department organised 3 days State Level Online Workshop on “Online Content Creation and Assessment Tools” for School Teachers by Prof. Dr. S. S. Sane (Head of

- Computer Engineering department organised Session on “Get ready technically” through Google meet on 19th September 2020.
- Civil Engineering Department organized Expert Talk of T. Hemalatha on 02/09/2020, Expert Talk on Interview Techniques and Body Language by Mr. Atul Gupta, Founder and MD., Victor Science Institute, Nashik on 12/09/2020 and Expert talk of Dr. R. K. Suryavanshi on 18/09/2020. Same department also organized Guidance Session for Technical MPSC by Er. Ganesh Wagh, Assistant Engineer, (State Government) Water Resources Department, Nashik on 19/09/2020 and Expert Talk on Road Accidents: Study and Preventive Measures by Dr. Yogesh Navandar on 21/09/2020.
- Electrical Engineering Department First & Second shift organized Expert Lecture by “Mr. Santosh Nanavati”, Sr. Manager (Projects), Velox Automation on “IoT and its Applications” on 05/09/2020, Expert Lecture by "Mr. Sandeep Mahajan”, Volunteer, Art of Living on “Stress Management” on 10/09/2020 and Expert Lecture by Mr. Sagar Narale, on “Reliability of Aluminium Electrolytic Capacitor” on 19/09/2020.
- Chemical Engineering department organized Expert Talk on topic of “Interpersonal Skills required in Industry” by Saurabh Patle, Consultant at T-Systems ICT India Pvt. Ltd., Pune (Alumnus of 2014 batch) (PGDM, Indian Institute of Management, Kozhikode, Kerala) on 11/09/2020 and Expert Talk on topic of “Skills required by Chemical Engineer in Future by Mr. Amol Banwat, Director, Amol Oils Pvt. Ltd. Jalgaon (Alumnus of 2010 batch) on 19/09/2020.
- Information Technology Department had organized online seminar on “Recent Trends in The Microcontrollers & Internet” by Mr. Rajendra Khope, CEO, ioCare, Pune on 4th September 2020 and online seminar on “Importance of soft skills in the new normal” by Ms. Anjali Atre on 18th Sept. 2020.
- MCA department organized Expert talk on “Industry demands and how tester is important to the IT industry” by Ms. Priya Kamdi on 5th September 2020, Expert talk on “How to Crack Interview” by Danish Peerzade on 12th September 2020 and Expert talk on “How to become an Entrepreneur” by Ms. Sonal Temgire on 28th September 2020.

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

- Computer Engineering Departmental staffs Prof. Dr. (Mrs.) S. M. Kamalapur, Prof. Mrs. P. P. Vaidya, Prof. Mrs. S. M. Malao have attended One week STTP on “Developing Pedagogy for Effective implementation of OBE in Engineering Institutes from 31st August 2020 to 5th September 2020. Prof. Ms. R. H. Jadhav, Prof. Ms. I. Priyadarshini and Prof. Ms. N. G. Sharma have attended “Webinar on Big Data on 9th September 2020. Prof. Ms. M. P. Mahajan, Prof. Mrs. C. R. Patil, Prof. Mrs. S. K. Gondhalekar and Prof. Ms. S. T. Patil have attended 3 days online workshop on “Emerging Technologies in Engineering” from 24th to 26th September 2020. Prof. Mrs. S. K. Gondhalekar also attended One Week Online Short Term Training Program (STTP) on “Block chain in DevOps: Implementing Transparent Continuous Delivery” from 14th to 19th September 2020.
- Electrical Engineering staffs Prof. Mrs. N. N. Jangle, Prof. Ms. M. R. Rade, Prof. Ms. R. A. Ahire, Prof. Ms. S. A. Sagare and Prof. Ms. Surya Nair have attended AICTE Training and Learning (ATAL) Academy Online FDP on “Design Thinking” from 21/09/2020 to 25/09/2020. Ms. Surya Nair has attended online webinar on “How Government policies and regulations impact electric grid investments” on 17/09/2020.
- Chemical Engineering staffs Prof. T. B. Mahale, Prof. Z. K. Deshmukh and Prof. Ms. Varsha Parashar have attended FDP on “Design Thinking” which was organized by K. K. Wagh Institute of Engineering Education and Research, Nashik from 21st to 25th Sept. 2020.
- Information Technology Departmental staffs Prof. Pratik Kadam has attended FDP on CybSecurity organized by Hyderabad Institute of Technology and Management from 7-11th September 2020. Prof. Ms. Shilpa Mene and Prof. Ms. Rupali Bora attended FDP on Augmented Reality (AR)/ Virtual Reality (VR) VNR organized by Vignana Jyothi Institute of Engineering and Technology from 7-11th September 2020. Prof. Ms. Poonam Mahale and Prof. Pratik Kadam have attended FDP on “Data Sciences” organized by K. E. Society's Rajarambapu Institute of Technology Rajaramnagar from 16-20th September 2020. Prof. Ms. Shital Dehmukh, Prof. Kiran Somwanshi and Prof. Ms. Poonam Mahale have

attended FDP on “Design Thinking” which was organized by K. K. Wagh Institute of Engineering Education and Research, Nashik from 21st to 25th Sept. 2020.

■ **Abstracts of papers presented during September 2020**
Low Light Image Enhancement for Dark Images.

Prof. Rupali Bora

(Published paper in International Journal of Data Science and Analysis. Volume 6, Issue 4, August 2020 ISSN: 2575-1891)

Abstract: Image plays an important role in this present technological world and leads to progress in multimedia communication, various research fields related to image processing, etc. Low-light image enhancement specifically addresses images captured in low-light conditions such as nighttime, where the common goal is to brighten and improve the contrast of the image for better visual quality and show details that are hidden in darkness. Research fields that may assist us in lowlight environments, such as object detection, has glossed over this aspect even though breakthroughs-after breakthroughs had been achieved in recent years, most noticeably from the lack of low-light data (less than 2% of the total images) in successful public benchmark datasets such as PASCAL VOC, ImageNet, and Microsoft COCO. To improve image quality, these low-light images are needed to be enhanced. For this purpose, an exclusively dark dataset comprising of images captured in visible light only is proposed. Further, dehazing technique is used for haze removal, histogram equalization (HE) technique is used for contrast enhancement and denoising technique is used for noise removal. Experimental results demonstrate that the proposed method achieves a good performance in low light image enhancement and outperforms state-of-the-art ones in terms of contrast enhancement and noise reduction.

Keywords: Dataset, Dehazing, Denoising, Enhancement, Histogram Equalization, Low-light.



Prof. Dr. K. N. Nandurkar
PRINCIPAL

