



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

March 2022

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Issue : 3

■ AIMA INDEX 2022



Inauguration of K. K. Wagh stall in AIMA Index 2022

K. K. Wagh Participated in an industrial exhibition arranged by Ambad Industries and Manufacturers Association titled as "AIMA Index 2022" during 18th to 21st of March 2022. K K Wagh stall was inaugurated by our alumnus Mr. Dharmesh Poriya, CEO of JP Enterprises. On this occasion Principal Dr K. N. Nandurkar and all Principals of various Colleges of K. K. Wagh Education Society were present. Chairman of K. K. Wagh Education Society Shri Sameer Wagh visited stall in AIMA Index 2022. Around 1000+ visitors visited our stall and visitors profile included Industry leaders, K K Wagh alumni, and Parents/ Students. During this Industrial Exhibition student's project were displayed and is appreciated by visitors. The project displayed were battery electric bicycle, Pick and Place Robot and all-terrain Vehicles.

■ Felicitation of Dr. Manohar Chaskar (Dean, Faculty of Science & Technology, SPPU)



Felicitation of Dr. Manohar Chaskar

Dr. Manohar Chaskar (Dean, Faculty of Science & Technology, SPPU) visited our institute on 5th March 2022. Principal Dr K. N. Nandurkar felicitated to Dr. Chaskar. On this occasion Principal Dr. K. N. Nandurkar gave the presentation of the institute and K. K. Wagh Education Society. Dr. Manohar Chaskar appreciated the development of K. K. Wagh Education Society. Interaction with Principals of various institutes of K. K. Wagh Education Society which are affiliated to SPPU was held during meeting with Dr. Chaskar.

■ Homage to Late Kakusheth Udeshi



Homage to Kakusheth Udeshi

A Program to pay homage to Late Shri. Kakusheth Udeshi on his birth anniversary on 7th March 2022 was organized. For this program Principal Dr K. N. Nandurkar, all head of departments were present. Late Shri. Kakusheth was a great philanthropist who provided the land of around 22 acres to K. K. Wagh Education Society where the main campus of Engineering Institute has been developed.

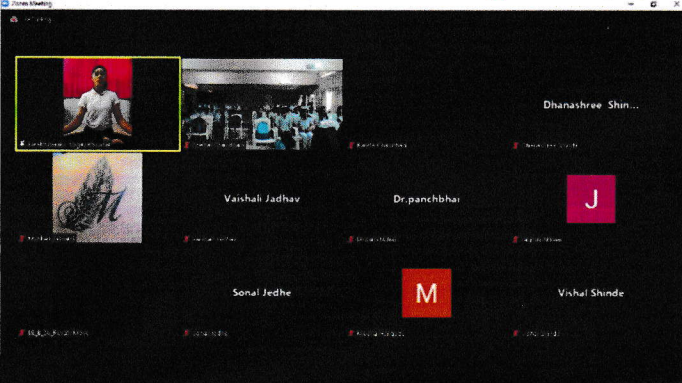
■ Calligraphy Workshop



Calligraphy workshop organized by IQAC Cell of our institute

K. K. Wagh Institute of Engineering Education and Research had organized a Calligraphy workshop for all lady staff members on the occasion of International Women's Day on 8th March 2022 at 12.00noon to 3.00pm. The workshop was coordinated by Internal Complaint Committee for Women of the Institute. The resource person for the workshop was Ms. Pooja Gaidhani, Abeer Creations, Palav School of Calligraphy, Nashik. The resource person demonstrated various designs and styles of English and Marathi lettering with the help of wooden ice cream sticks. 74 lady staff members enthusiastically participated in the workshop. Five best calligraphers were felicitated at the end of the workshop.

■ Yoga Session was conducted in Hybrid Mode



Female Participants attended the online session



Participants in Vishveshvaraya Hall

On the occasion of International Women's Day on 8th March, department of Civil Engineering of our institute organized Yoga session for all the Female stakeholders like students, parents, alumni, faculty. "Women's Health" was the

theme of the event. To deal with daily stress accumulated due to various factors like study pressure, Family and societal pressure, Personal issues etc. the different yoga poses, pranayama and meditation is the key. Based on the theme, the Yoga session was conducted in hybrid mode. Students from Morning Batch have attended the session offline and the students from 2nd batch have attended from Home. The Session was conducted by the yoga expert Ms. Sonal Chaudhari (The Director of Healthybeats@yoga with sonal Academy). She is the yoga instructor and conducts the sessions for kids, senior citizen, youth.

■ Felicitation of Cleaning Workers



43 Lady cleaning workers were felicitated on occasion of Women's Day

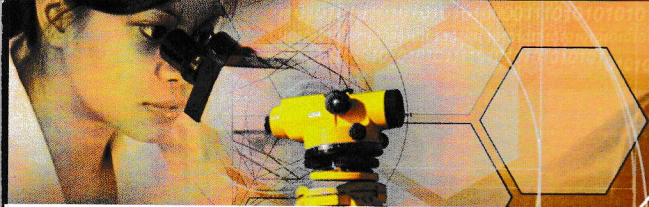
On occasion of Women's Day on 8th March 2022, around 43 lady cleaning worker s were felicitated. For the program Dr. Mrs Preeti Bhamre (Trustee of K K Wagh Education Society and Dean Quality and Head of IT department) and Mrs Dipti Nakhale were present.

■ Expert talk on 'Gender Sensitization- Role of reforming Society'

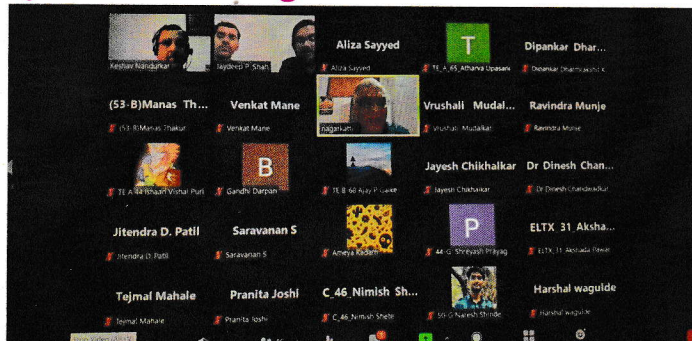


Exert talk by Pournima Chougule

Gender sensitivity is a way to reduce the barriers caused due to discrimination and gender bias. Creating the right kind of gender-sensitive environment leads to mutual respect regardless of their gender. The theme for International Women's Day 2022 is, "Gender equality today for a sustainable tomorrow". In the connection with the theme, on the occasion of International Women's day, the Department of Management Studies organised an Expert session on 'Gender Sensitization- Role of Reforming Society' by Ms. Pournima Chougule, Dy. Commissioners of Police, Nashik on 9th March 2022.

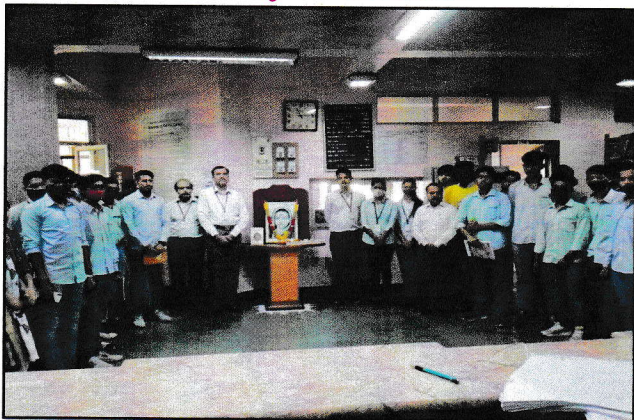


Expert session on "EV Batteries Research" by Shri. Ashok Nagarkatti

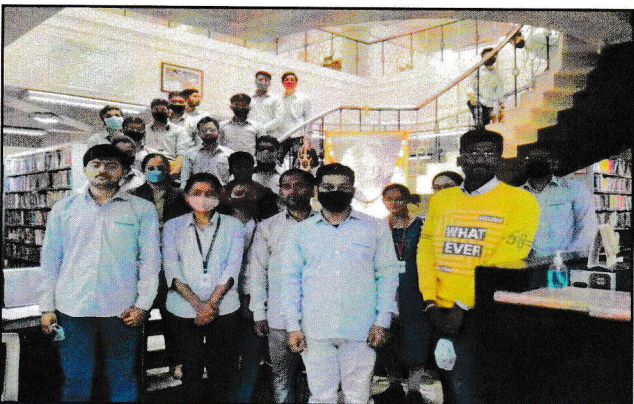


Expert Session on "EV Batteries Research" by Mr. Ashok Nagarkatti Department of Electrical Engineering in association with the Electric Mobility and Transportation Club has organized an Expert Session on "EV Batteries Research" by Mr. Ashok Nagarkatti on 10th March 2022 for faculties and students. He has around 41 years of experience in the Battery Industry. He is a Technical Advisor on Lithium-Ion Batteries. In this session, Mr. Nagarkatti has guided on recent trends in battery management and projects related to the battery. Principal Dr. K. N. Nandurkar gave information of the institute initially. A total of 103 students and faculties attended the session. This session was coordinated by Prof. J. P. Shah.

Death Anniversary Celebration



Homage to "Savitribai Phule"

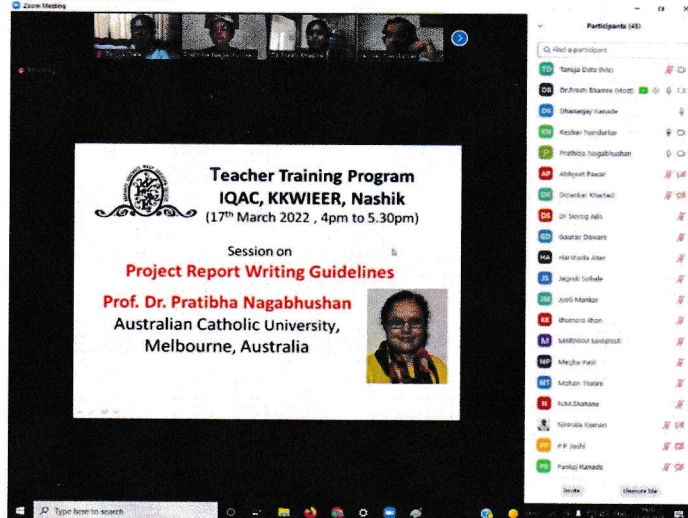


Homage to V. V. Shirwadkar (Kusumagraj)

Kusumagraj central library celebrated death anniversary of "Savitribai Phule and Vishnu Vaman Shirwadkar (Kusumagraj)" on 10th March 2022. On this occasion Principal Dr K. N. Nandurkar, staff and students were present. Savitribai Phule (1831-1897) was an Indian Social reformer and educationalist and played an important role in improving Women's rights in India.

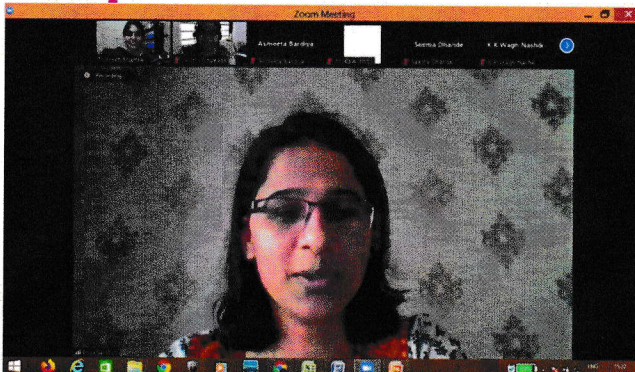
Vishnu Waman Shirwadkar (1912-1999) was popularly known by his pen name, Kusumagraj, was an Marathi poet, playwright, novelist and short writer from Nashik. The Central Library of K. K. Wagh Institute of Engineering Education & Research, Nashik is named after him.

Online Session on "Project Report Writing Guidelines"

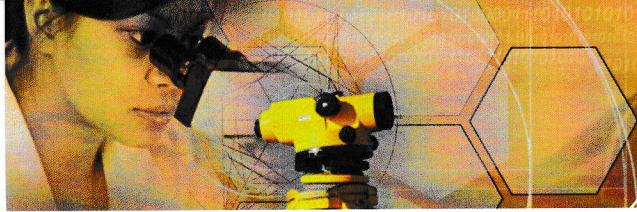


Online session on "Project Report Writing Guidelines" One An IQAC Cell of our institute organized online session for all teachers of the institute on "Project Report Writing Guidelines" by Dr. Pratibha Nagabhushan, Australian Catholic University, Melbourne on Thursday, 17th March 2022 from 4.00pm to 5.30pm. Total 78 participants attended the session.

Online Seminar on "Equality for Sustainable Development"



Online seminar on "Equality for sustainable development"



The Internal complaint committee for women had organised an online seminar on "Equality for sustainable development" by Ms. Priyadarshini Hinge, Maxwoman Editor. The objective of seminar was to promote *gender equality* by providing an expert advice on gender issues. The seminar was organised in online mode for students and staff of institute. The seminar was scheduled on 28th February 2022 at 3.00pm. The session was interactive and actively participated by students and faculty members.

■ Meetings of Member of BOS under Autonomy

The meetings of BOS Members under Autonomy was organized by each department in month of March 2022. During the respective meeting of BOS of each department, various expert members of BOS shared their inputs for syllabus of Autonomy. BOS Members, all faculty of respective department attended the meeting. Following is the schedule on which the meetings of each department were conducted.

Date	Name of Dept.
11 th March 2022	MBA
14 th March 2022	Chemical ,E & TC and MCA
15 th March 2022	Computer ,AIDS and CSD,
16 th March 2022	Civil and Electrical
17 th March 2022	Mechanical, Robotics & Automation and Science and Mathematics
19 th March 2022	IT

■ Meeting of members of Academic Council under Autonomy on 21st March 2022

The first meeting of Academic Council of K. K. Wagh Institute of Engineering Education and Research, Nashik (Autonomous) was held under the chairmanship of Principal Dr. K. N. Nandurkar on March 21, 2022 at 3 pm in online mode. The meeting started by paying homage to Hon. Late President Shri. Balasaheb Wagh (Bhau). Principal Dr. K. N. Nandurkar welcomed all members present for the meeting. He introduced the institute to all the members. Also, he briefed the meeting with the journey of institute for Autonomy. Prof. Dr. Sunil Kute briefed the points of Agenda and presented the report on each point for further discussions. All external AC members provided positive suggestions on the agenda points for future actions. Shri. Nilesh Salgaonkar congratulated the Institute for getting Autonomous Status and suggested to create an impact with drastic change. He also, suggested to offer more contents which is relevant to industry. Prof. D. N. Singh, Prof. M. S. Suatone, suggested some changes in Structure of UG. Prof. V. M. Govilkar and Prof. V. W. Acharya congratulated the institute for Autonomous Status and wished all the best for

future. The meeting was concluded with the Vote of Thanks by Dr. Sunil Kute, Member Secretary, Academic Council.

■ Expert Talk on "Environment and Sustainability"

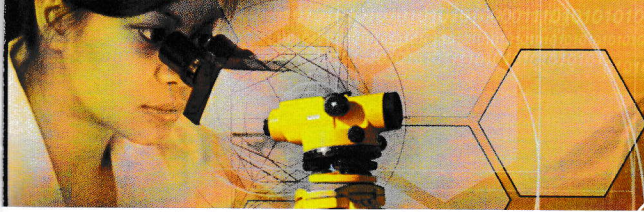
Expert lecture of "Environment and Sustainability"

Expert lecture of "Environment and Sustainability" was organized on Monday, 28 March 2022 by our Institute. Dr. Jagdish Ghodihal, Senior Professor and environmental expert, Presidency University, Bengaluru. Around 330 participants attended this expert lecture.

■ Meeting of members of Governing Body under Autonomy on 28th March 2022

The First meeting of Governing Body (G.B.) of K.K. Wagh Institute of Engineering Education and Research, Nashik (Autonomous) was held under the chairmanship of Er. Sameer Wagh, Chairman, K. K. Wagh Education Society, Nashik on March 28, 2022 at 3 p.m. in online mode. The meeting started by paying homage to Hon. Late President Shri. Balasaheb Wagh (Bhau). Principal Dr. K. N. Nandurkar welcomed all members present for the meeting and presented a brief Introduction of K. K. Wagh Institute of Engineering Education and Research, Nashik. He also, elucidated the members, the journey of Autonomy of K. K. Wagh Institute of Engineering Education and Research, Nashik. Prof. Dr. Sunil Kute briefed the points of Agenda and presented the report on each point for further discussions. Prof. (Dr.) Virendra Kumar Paul, UGC Nominee and Mr. Vivek Sawant, Chief Mentor, MKCL provided positive suggestions on the agenda points for future actions. The meeting was concluded with the Vote of Thanks by Dr. Sunil Kute, Dean, Academics

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■ Survey Conducted for "Work-Life Balance Skills" of Working Women in our Educational Institutes

Managing the work at the workplace and at home is an uphill task successfully and relentlessly carried out by working women. The efforts of the working women are being recognized and many are gaining the support of their male counterparts at the office and male family members in the household work. The dual responsibility however induces a lot of physical and mental stress. This calls for understanding the factors that influence the work-life balance skills of the working women. The current study is however limited to the women working in higher educational institutes. On the occasion of international women's day ie 8th March, a structured questionnaire with 21 questions was circulated to over 100 teaching and non-teaching staff of twelve different colleges using Google form. Responses were obtained from 84 women of different age groups over a period of two days. The average value of the responses for every parameter was analyzed by employing multiple linear regression analysis. Results indicate that personal factors such as age group and nature of an appointment, work skills like working during lunch, overburdened with work, bonding developed at the workplace and life skills such as presence at family function, standard of living and time for favorite activities influences the work-life balance of the working women. These factors can be addressed by regular counseling and stress management techniques

■ Celebration of World Water Day

K.K.Wagh Institute of Engineering Education and Research, Nashik

Department of Civil Engineering in association with IET Nashik Local Network is celebrating World Water Day.

Water Foot Print -A tool for reduction of Water Consumption.

Er. R.V. Saraf
Convener IE(I) PLC
President MVP Pune

Thursday 24 March, 3.00pm

Key to discussion:

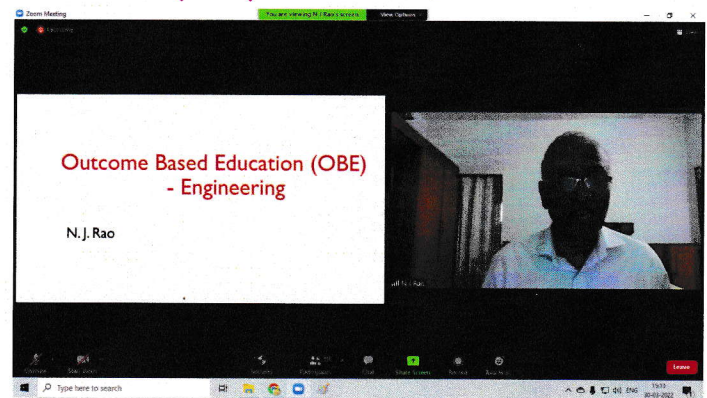
- > Importance of water
- > What is water footprint
- > Impact of Water Footprint

Meeting ID: 856 3206 3039
Passcode: 12345

Expert talk by Shri. R. V. Saraf

Department of Civil Engineering of our institute organized in association with IET Nashik Local Network, an expert session on "Water Footprint- A tool for reduction of Water Consumption" by Shri. R. V. Saraf, Joint Secretary and Vice-chairman of India Water Works Association, Pune Center on 24th March 2022. It was attended by staff and students of our institute.

■ Online expert talk on "Outcome Based Education (OBE)"

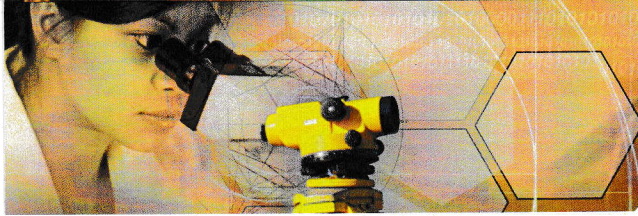


Online session of OBE

Online expert talk on "Outcome Based Education OBE" on 30th & 31st March 2022 organized by our institute for all teachers of the institute. Prof. N. J. Rao from IISc, Bengaluru was the resource person for the same. He explained nicely about the details of Outcome Based Education (OBE). Principal Dr. K. N. Nandurkar and all Heads of department and teachers attended the session on both the days. Based on the session conducted on OBE, the quiz was also conducted for all teachers of the institute.

■ Expert Lecture/Seminar/Courses/Workshop Conducted:

- Computer Engineering Department organized an expert talk on the topic "Cloud Security and Scalability" by Mr. Shashank Wagh, Managing Director in TECSYS Solutions Pvt. Ltd on 3rd March 2022 and expert talk on the topic "Salesforce" by Ms. Vidula Shetye, Chief Technology officer in Dreamwares, Nashik on 12th March 2022.
- Civil Engineering Department organized expert lecture of Psychologist Yogesh Phadtare on 14/03/2022, Expert lecture of Ar. Pravin Pagar on 21/03/2022, Expert Lecture of Dr. Prajakta Baste on 24/03/2022 and Expert lecture of Er Amol Deorukhkar, Research Manager, Indian Oil R&D Center, Faridabad on 31/03/22.
- Information Technology Department organized session on "Emotional Intelligence" by Mr.



Yogesh Phadtare, Nashik on 12th March 2022 for IT students.

- Artificial Intelligence & Data Science Department organized Expert talk for SE (AI&DS) students on the topic "Management Information System" on 28th March 2022 by Prof. Bushra Khan (Ashoka Center for Business and Computer Studies). She explained case studies for management as a control system for SE AI & DS students.
- Eye check up camp was organized in the institute on 25th March 2022 for staff members of the Institute in association with RamoleEye Hospital, Nashik

■ Training & Placement :

Name of Company	Name of the Dept.	No. of students selected
Crompton Greaves	Electrical	2
	Mechanical	4
Sarman Technologies	Electrical	1
	IT	2
Malegaon Supply Power Limited	Electrical	1
KSB Pumps	Electrical	2
	Mechanical	5

■ Other Achievements

- Dr. K. N. Nandurkar and Dr. P. K. Shahabadkar attended annual meeting of CII Maharashtra State Council on 4th March 2022 at Hotel President, Mumbai

■ Abstracts of papers presented during March 2022 Comparative Analysis of Clustering Approaches for Big Data Analysis

Mr. Satish S. Banait, Dr. Shrish S. Sane

(Presented in International Journal of Computer Trends and Technology, Vol.: 70, Issue: 3; ISSN: 2231-2803)

Abstract: This paper performs a comparative study of the most popular big data clustering techniques. Clustering is an unsupervised classification of patterns (observations, data items or feature vectors) into teams (clusters). The drawbacks of clustering have been noticed in several contexts by researchers in many disciplines and react to its broad charm and quality in concert with the steps in exploratory data analysis. K-means clustering algorithm falls underneath the category of centroid-based clustering. Hierarchical clustering is a cluster analysis technique that seeks to construct a hierarchy of clusters. Agglomerative clustering is a form of hierarchical clustering that uses the

backside-up technique. Density-based Spatial Clustering of Algorithms with Noise (DBSCAN) is a clustering algorithm that organisations collectively point near every other primarily based on a distance dimension (Euclidean distance) and a minimal quantity of factors. Map-reduce is a programming paradigm for huge datasets which may be processed speedily by processing them on distributed clusters in parallel. This paper compares k-means, hierarchical agglomerative clustering, DBSCAN and k-means with map-reduce strategies for clustering big data.

Keywords: Big Data, Clustering Strategies, Density-Based Spatial Clustering, Hierarchical Agglomerative Clustering, K-Means.

■ Detection and Classification of Tumors Using Deep Learning

Ms. Shagun Lahoti, Mr. Shubham Pawar, Ms. Mayuri Nari BE (IT), Prof. Ms. Shilpa Mene

(Presented in Journal 'Dickensian Journal', Volume: 22 Issue: 5; ISSN No.: 0012-2440 DOI:10.12001.DK.J2022.V22.I5.172)

Abstract: Brain tumors are uncontrolled mass growth of abnormal tissues in the brain which may affect the working of the body in certain manner. Thus, the detection of brain tumors in an early stage becomes a crucial task. There are many imaging techniques used to detect brain tumors. Magnetic Resonance Image is commonly used due to its superior image quality and the fact of relying on nonionizing radiation. Deep learning (DL) is a subfield of machine learning and has recently shown a remarkable performance, especially in classification and segmentation problems. Here, a Deep Learning Model based on convolutional neural networks using a 16-layer CNN architecture is proposed to classify the tumors into cancerous and non-cancerous and based on this further in-meningioma, glioma and pituitary tumors. The dataset used here will contain a total of 3064 images with some T1-contrast weighted images in order to locate the brain tumors in an efficient manner. The proposed network structure is expected to achieve a significant performance. The model proposed here will efficiently predict the brain tumors type and location from the available Magnetic Resonance Images.

Keywords: Brain tumor, Magnetic Resonance Image, Deep Learning, Convolutional Neural Networks.

Prof. Dr. K. N. Nandurkar
PRINCIPAL

