

■ **Book Publication Ceremony**



Publication of book written by Dr. D. M. More

Book titled “वारसापाण्याचा” written by Dr. D. M. More is published by K. K. Wagh Education Society on 19th November 2022 at the hands of Hon Shri Vivek Sawant, Chairman, Advisory Committee. For the program Chairman Shri Sameer Wagh, Secretary Prof. K. S. Bandi, Principal Dr. K. N. Nandurkar, Prof. Dr. S. S. Sane, all Principals and Heads of department of various Colleges of K. K. Wagh Education Society were present. On this occasion Dr D. M. More shared his experiences while writing this book and he appreciated that the K. K. Wagh Education Society published this book. Hon. Shri. Vivek Sawant, Shri. A. R. Suryawanshi (Retired Professor, Walmi Aurangabad), Mr. Vilas Shelke (Retired Chief Engineer), Dr. Prajakta Baste (Principal, NDMVP's Architecture College, Nashik) and Prof. Dr. Sunil Kute (Dean, Academics) spoke on this occasion.

■ **CII – CEO Connect**

CEO connect programme in association with CII Industry-Academia Panel was organized on 5th November 2022 in K K Wagh IEER with the theme “Startup and Entrepreneurial Opportunities for Engineers” by Mr. Rahul Malhotra, CEO and Founder of Aress Software and Education Technologies, Nashik.

He is also alumnus of our institute. This Session was attended by Mr. Manoj Deshmukh, Chairman CII, North Maharashtra, Mr. Robert Keith of CII, Heads of the Department, Sr. Staff of K K Wagh and around 200+ Students. Programme was initiated by Pramod Shahabadkar, TPO and Welcome speech was delivered by Principal Dr. K. N. Nandurkar. The vote of thanks was proposed by Dr. S. S. Sane. Students who asked relevant questions were felicitated by the speaker.



CEO connect program

■ **Visit of Dr. Marissa Chandler**



Visit of Dr. Marissa Chandler, from Austin Peay State University, USA

Interaction session by Dr. Marissa Chandler, Director of Global Engagement from Austin Peay State University (APSU) based in Clarksville, Tennessee, USA was held on 9th November 2022. Principal Dr. K. N. Nandurkar felicitated Dr. Marissa Chandler on this occasion. Deans, HODs, T & P coordinators and students attended the session.

■ ISTE Installation Ceremony 2022-23 & Essay Writing Competition 2022



Winners of English Essay Writing Competition

The Indian Society for Technical Education (ISTE) Students' Chapter of K.K. Wagh Institute of Engineering Education and Research had organized the Installation Ceremony of the core committee for the year 2022-23 and a Grand Valedictory ceremony for the Essay Writing Competition 2022. The competition was held in two categories, English and Marathi. The themes for the competition were: English topics: 1) Unpredictable rains are the worry! 2) Lockdown: an unforgettable experience 3) Is women empowerment real? 4) Reading: Gateway to a thousand lives. Marathi topics: १) नको नको रे पावसा २) लॉकडाऊन आणि मी ३) महिलासक्षमीकरण खर्च आहे? ४) वाचाल तर वाचाल. The competition was held under the guidance of Dr. K. N. Nandurkar (Principal, K.K. W.I.E.E.R). The English Essays were judged by Prof. Priti Kankariya and Marathi Essays were judged by Dr. Asmita Deshpande. Mr. Ashish Chaudhari, having a renowned construction company and alumnus of our Institute was the chief guest for the prize distribution function. The Valedictory Ceremony commenced with a speech by our Principal Dr. K. N. Nandurkar. He appreciated the students for giving such an overwhelming response to the essay writing competition held, where they could showcase their creative minds with their writing skills. He also included in his speech a brief about ISTE and how the events held under it help students in overall personality development. To make the ceremony more synergic, our Chief Guest, Mr. Ashish Chaudhari gave insights about the corporate world, and being an alumnus of K.K. Wagh, he shared his learnings and experiences during his college days. He mentioned how consistency, hard work, and discipline have a great impact on one's life after college.

■ Visit of Hon. Shri. R. L. Pulkundwar



Felicitation of Hon. Shri. R. L. Pulkundwar

Hon. Shri. R. L. Pulkundwar (Vice Chairman, IIRW International Centre of Excellence in Engineering and Management, Aurangabad) visited our institute on 29th November 2022. He interacted with coordinators and staff members of various Institutes. He was felicitated at the hands of Mr Ajinkya Wagh. For the program Secretary Prof. K. S. Bandi, Principal Dr. K. N. Nandurkar, all coordinators and staff were present. Shri. R. L. Pulkundwar visited our Central Library, Training & Placement Section and AICTE Idea Lab and expressed his appreciation for the work done by K. K. Wagh Education Society, Nashik.

■ Induction Program of First Year B.Tech.



Online Induction program for FY B.Tech



Visit to AICTE Idea Lab of our institute during induction program

An online Induction program for newly admitted students in first year B.Tech. for A.Y. 2022-23 was conducted by Applied Science and

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Mathematics department from 4th to 14th November 2022. In this program students are guided on the topic “How to make easier journey of engineering education to achieve desired goal” by Director Dr. K.N. Nandurkar, Dean Administration Dr. S.S. Sane, Dean Academics Dr.S.Y. Kute, Dean Admission Dr. D.M. Chandawadkar, Dean Quality Dr. (Mrs.) P.D. Bhamare, T&P officer Dr. P.K. Shahabadkar, Librarian Dr.P.S. Bodke and HOD Science Dr. (Mrs.) Anuradha C. Pawar. The students were guided about scholarship, exam, eligibility and different form filling. Students were also guided about study and career by educational counselor Prof. Pratibha Chandak, Dr. Sheetalkumar Rawandale, President, Maharashtra Association of TPO, Stress Management: Dr. R. M. Jalnekar, Director, VIT, Pune, Cosmic voyage by Dr. Girish Pimpale, Career guidance about competitive and entrance examination: Mr. Yashwant Shitole, Career Katta, Govt. of Maharashtra., Financial Literacy: Prof. Seema Baji & Dr. R.D. Kulkarni, Gender Sensitization: Dr. Shruti Tambe, Head, Dept. of Sociology, SPPU, Inner Engineering: Krishnadhan Prabhu, ISCON, Nashik, Prepare yourself for life after Graduation: Er. D. D. Maheshwari, From Meru Prastar to Galton's Board: Mr. Chandrahas Halai, Heart fullness Meditation and Self Awareness: Alka Patel, AICTE UHV Initiative Warli Painting: Rachana Ahire, Creative Arts, Nakhanjali: Drawing with Nails, Dr. Kiran Jagtap and alumni Vyanki Katariya, Mr. Mahesh Bagul from Traffic Park Nashik guided about traffic rules and safety. Innovation Center & IDEA Lab: Dr. R. K. Munje, R &D Co-ordinator, HoD, Elect. Dept, ISTE by Prof. Deepali Shimpi, Astro club by Prof. Dr.S.P. Ugale and sports by Prof. T.K. Kandekar.

■ Meeting of Academic Council Under Autonomy

Meeting of Academic Council under Autonomy was organized on 5th November 2022 at central office. For the meeting Dr. Singh from IIT Bombay, Dr V. B. Gaikwad (Principal, KTHM College), Dr G. K. Kharate (Principal, Matoshri Engineering College), Director Dr. K. N. Nandurkar, all members for Academic council were present.

The Features of newly designed curriculum were discussed and members suggested appropriate assessment methods to be implemented. The academic calendar for Autonomous pattern was also approved by the members.

■ Governing Body Meeting Under Autonomy

Meeting of Governing Body under Autonomy was organized on 19th November 2022 at central office. For the meeting Chairman Shri Sameer Wagh, Hon Shri Vivek Sawant (Chief Mentor, MKCL), Prof. D. P. Nathe (Jt. Director, DTE Nashik), Director Dr. K. N. Nandurkar all member of Governing body were present.

■ MCA First Year Students' Orientation Program



Director Prof. Dr. K. N. Nandurkar addressing during FY MCA orientation program

Department of MCA, of K. K. Wagh Institute of Engineering Education and Research conducted an Orientation Program for First year MCA students admitted in A. Y. 2022-23 from 9th to 11th November 2022. Welcome function was organized on 9th November. During this function students were guided by alumnus Mr. Hemant Nikam, Co-founder and Director of Ultimate Internet Games Pvt. Ltd, Nashik, Prof. Dr. K. N. Nandurkar, Director, KKWIEER, Dr. S. Y. Kute, Academic Dean, Dr. V. C. Bagal, Head of Dept. of MCA. After this function, Ultimate Internet Games center of excellence was inaugurated by Mr. Hemant Nikam. Students were guided about department activities, design of curriculum and planning of implementation of curriculum with respect to autonomy perspective and facility and support system around campus. Training & Placement Officer Dr. P. K. Shahabadkar conducted session on “How to prepare for Placement?”. Visit to Kusumagraj central library, Idea Lab and Sports section was organized for FYMCA students.

■ Participated in Krishithon 2022 (An Agricultural Exhibition)

K K Wagh participated in the Krishithon at Thakkar Dome, Nashik organized during 24th to 28th November 2022 by displaying students working projects. Visitors appreciated the students' projects.



K K Wagh participated in the Krishithon

School Teacher Awareness Program Organized By AICTE-Idea Lab



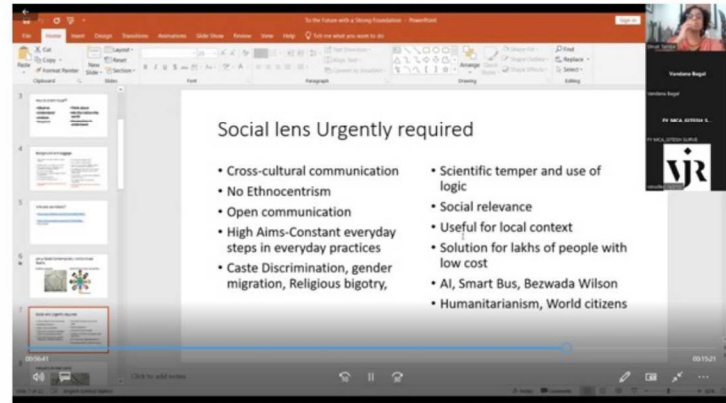
Participant of School Teacher Awareness program

School Teacher Awareness program was organized during 14th to 19th November 2022 by AICTE Idea Lab of our institute. Various speakers were Dr. R. K. Munje, Prof. A.D. Bhagure, Dr. P.B. Kushare, Prof. R. D. Rakhade, Mr. Sarvesh Sukhatme. Mr. M. S. Gangurde, Prof. V. R. Kale, Prof. R. V. Bhaskar and Prof. P. K. Birla. Faculty coordinators were Dr. G. B. Daware & Prof. S. S. Kahandal. Objectives of the program was to create awareness about IDEA lab among the school teachers. Teachers come to know about different instruments like 3-D printer, Laser cutting, AR-VR technology, Wood router etc. Total 23 teachers outside of our College attended the program.

Seminar on "Gender Sensitization"

An online session by Dr. Shruti Tambe, Head, Dept. of Sociology, Savitribai Phule Pune University has been organised on 11th November 2022 at 10.30am. The topic of the seminar was "Gender Sensitization". The objective of seminar

was to promote *gender equality* by providing an expert advice on gender issues. Many students from all the branches of engineering and PG department attended the session. Dr. Shruti Tambe addressed various points on gender sensitization like cross cultural communication, caste discrimination, gender migration, no ethnocentrism etc.



Seminar on "Gender Sensitization"

Induction Program of First Year MBA



Induction program of FY MBA

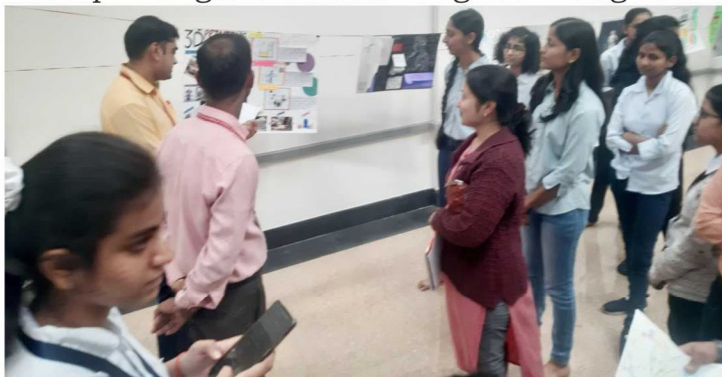
The Department of Management Studies of K.K. Wagh Institute of Engineering Education & Research had organized a two-day induction program for the fresh entrants of the M.B.A. program on 14th and 15th November 2022. The objective of this program was to acclimatize the students to the new environment and get them acquainted with the institution culture. The rationale for induction was to ensure a smooth transition for the students into the system. Prof. Mrs S. P. Dhake, Head of MBA department and Dean Academic Dr S. Y. Kute addressed during the induction program.

Poster Competition Organized by IIC

Poster competition for the students was organized by Institution's Innovation Cell (IIC) and Mechanical Engineering Department on 26th November 2022. This competition has provided platform for the students to present their ideas. Total 52 participated students prepared the poster on following topics and presented in a poster competition

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- Green Building Technologies
- Low cost housing technologies
- Renewable Energy
- Concept of smart city
- Pollution reduction
- Conservation of Natural resources
- IOT Agriculture and domestic Applications
- Industry 4.0
- Electrical Vehicle and Pollution control
- Drone technology and it's Applications
- Autonomous vehicle
- Robotics
- 3D printing and 3D Scanning Technologies



Poster competition on 26th November 2022

■ Seminar on "Physiotherapy" by Dr. Ravi Aher



Seminar on "Physiotherapy"

Seminar on "Physiotherapy" was organized in our institute on 29th November 2022 for staff who are above 45 age. He explained the importance and benefits of Physiotherapy for maintaining the health on this occasion. 45 staff members who are above 45 age attended this seminar.

■ 'Vigilance Week'



Winners of an elocution competition

'Vigilance Week' (सतर्कता जागरूकता सप्ताह) observed in K. K. Wagh Institute of Engineering Education

and Research, Nashik in association with IOCL. An elocution competition was organized for students. Vijay Jadhav won first prize, Jai Shah won second prize and Hitesh Patil won third prize. Winners of the competition were honored with certificates and cash prizes. Prof. Priya Rakibe & Prof. Seema Baji worked as the judge of the competition. Institute TPO - Dr. P. K. Shabadkar & team coordinated the event. The management, Indian Oil Industry persons, and the Principal of the college congratulated the students.

■ A session on Role of Fitness in Student Life & Beyond

A session on "Role of Fitness in student life and beyond" was organized on 18th November 2022 at VNN Hall of Computer Engineering department. The speaker was Mr. Anirudha Athani, the first certified marathon trainer and ultra marathon runner in Nashik. The session was attended by the students of our institute.

■ Felicitation of placed students at K.T.H.M.College



Felicitation of Placed students

Students of K. K. Wagh IEER and their proud parents of campus interview selected students were felicitated in their previous Almamater in KTHM College, Nashik on 12th November at the hands of Prof V B Gaikwad, Principal, KTHM College, Nashik. On this occasion teachers were also felicitated for their contribution in building the students' career.

■ IET Future Tech Congress-22 at Bangalore



Interaction with Mr. Sir Julian Young, Past President of the IET.

Dr. Ravindra Munje, Dr. Prashant Kushare, Dr. Pravinchandra Dhake and Prof. (Mrs.) Nayana Jungle attended IET Future Tech Congress-22 at Bangalore held on 22nd and 23rd November 2022. They had an opportunity to interact with Ms. Toni Alen, Executive Director-International Strategic Marketing & engagement, Ms. Sara Killingworth, Head of Marketing, Institution of Engineering & Technology (IET-UK) and Sir Julian Young, Past President of the Institution of Engineering & Technology (IET).

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

- Computer engineering department had organized an online session on “The Internship and Placement” talk by Mr. Abhishek, a KKWIER alumnus currently employed with NVIDIA on 24th November 2022 and an expert talk on the topic “From Financial Literacy to Financial Security” by Ms. Prachi Deshmukh (Master's Degree in Education from Boston University) on 25th and 26th November 2022
- Electronics & Tele Communication had organized Expert talk on “Entrepreneurship-Primary Wealth Creation” by Mr. Vishal Jategaonkar, Centre Director, T.I.M.E. Nashik on 05/11/2022, Expert talk on “Technical English for Engineers” by Er. KhushrowIrani Technical Skills Trainer on 12/11/2022, Expert talk on “Professional Practices & Ethics in Engineering” by Er. Sanjay Kale, Softskills Trainer & Counsellor on 19/11/2022, Expert talk on “Physical Fitness for Healthy Life Style” by Dr. Mustafa A. Topiwala Physiotherapist, Nashik on 19/11/2022 and Expert talk on “Electrical Machines used for EV power train: Basic Concepts and Trends” by Mr. Vishwas Vaidya (Chief Innovation Officer, Four Front Pvt Ltd.) on 21/11/2022. Same department also organized an Expert talk on “Soft Skills” by Ms. Kanishka Thakur on 26/11/2022, Expert talk on “IPR and Copy right” by Dr. S. A. Patil on 26/11/2022 and an Expert talk on “Introduction to Distributed control system and Career opportunities in the field of Automation” by Ms. Mitali Sharma, System Engineer Emerson, Nashik on 01/11/2022,
- Chemical Engineering Department organized an online expert lecture on “Utilization of Propylene: Hydroformylation- Oxo Synthesis” by Dr. V. V. Mahajani, Ex. Professor, Chemical Engineering Department, ICT, Mumbai on 04/11/2022.
- Information Technology Department had organized expert talk on “Identity and Access Management (IAM) domain in IT companies” by Ms. Vinita Mulchandani, Advisory Consultant, IBM Pune on 5th November 2022.
- Department of Robotics and Automation organized expert lecture on “Process Automation” by Mr. Mitesh Shinde, Mahindra & Mahindra Ltd, Nashik on 19/11/2022.

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

- Computer engineering departmental staff Prof. S. T. Patil have attended Five Days FDP on “Data Science: Tools and Research” from 1st to 5th November 2022.
- Electronics & Telecommunication departmental staff Mr. R. R. Khinde attended UdeMy course on 'Business communication skills: Business writing and Grammar', Mrs. R. V. Chothe attended UdeMy course on “The complete personal development Master Class for success”. Ms. S. V. Shelke attended UdeMy course on “Introduction to Electromagnetics - Rahsoft RAHAE101” and Mrs. P.P. Patil have attended UdeMy course on “The complete communication skills Master Class for life”.
- Chemical Engineering Staff Prof. T. B. Mahale, Prof. Shivde Priyanka, Dr. Yennam Rajesh and Dr. Daware G.B. have attended five days FDP on Recent Trends in Chemical and Petrochemical Industries organized by JCT College of Engineering and Technology, Coimbatore from 21/11/2022 to 25/11/2022. Prof. Joshi P.P. attended six days FDP on “Waste to Energy and Biofuels” organized by Goa College of Engineering, Goa with ATAL Academy from 14/11/2022 to 19/11/2022. Dr. Yennam Rajesh attended Fourteen days FDP (online) on “Sanitisation on innovation & cutting Edge Technologies” organized by Viswakarma Institute, Pune from 14/11/2022 to 29/11/2022. Prof. Shivde Priyanka attended FDP of five Days on “Recent advances in Chemical Engineering -2022 (RACE)” organized by Dept. of Chemical Engg., at Rajalakshmi Engg. College, Chennai from 08/11/2022 to 12/11/2022.

■ **Achievements**

- Prof. Dr. K. N. Nandurkar was invited as a panel speaker for the 3rd Global Education Conclave on "Driving Innovation and Research in Indian Education" organized by the Education task force of CII western Region held at Kirloskar Brothers Ltd. Baner, Pune on 24th November 2022.

■ Congratulations



Prof. Dr. S. S. Sane (Head of Computer Engineering department of our institute nominated as a Chairman, Board of Studies (BOS) in Computer Applications” of SPPU Pune for the period of two years (2022-24).



■ Abstracts of papers presented during Oct 2022

An Efficient Clustering Technique for Big Data Mining

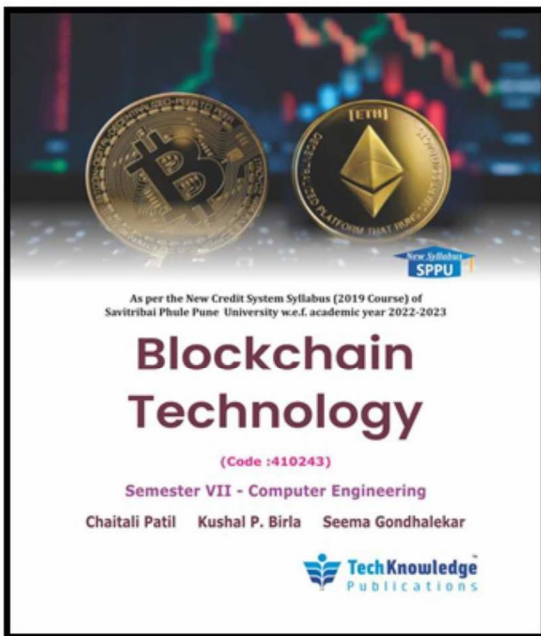
Dr. Satish S. Banait, Prof. Dr. S. S. Sane & Dr. Dipak Bage

(Paper published in International Journal of Intelligent Systems and Applications in Engineering (IJISAE) IJISAE (ISSN: 2147-6799))

Abstract: Data mining as well as big data analytics represent approaches for analyzing and extracting useful secret data. Although big data is complicated and large in volume, conventional methods to interpretation and retrieval do not function well. Data clustering is a common data mining approach that divides nodes into categories and makes it possible to retrieve features out of these groups. Conventional clustering techniques, including such k-means clustering as well as hierarchical clustering, are inefficient because the reliability of the groups they generate is harmed. As a result, an efficient and relatively extensible clustering technique is required. In this paper we propose novel similarity-based clustering techniques on large unstructured transaction dataset. The HDFS file system log data has collected from real time Virtual Machine's (VM's) and generates the clusters, using reinforcement learning technique. Initially data has collected from various VM's and proposed dimensionality reduction technique has used for data reduction. The Q-learning based reinforcement learning algorithm has applied on generated event. The activation function calculates the current weight for each transaction according to reward and penalty. Finally, the threshold-based entropy function generates a final cluster. After the clustering process modified Support vector

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■ Congratulations



Faculty of Computer Engineering Department Prof. Chaitali Patil, Prof. Kushal P. Birla and Prof. Seema Gondhalekar written book on “Block Chain Technology”.

■ Congratulations to Dr. (Mrs.) Yogita Bhise

Dr. Yogita Bhise of Computer Engineering department received "Distinguished Women Academician Award" in the International Conference and Award Ceremony on Multi disciplinary Research and Global Transformation (ICMRGT-2022).



Machine (mSVM) as supervised classifier has applied on entire label data. In the extensive experimental analysis, we evaluate proposed model performance with existing techniques. The proposed clustering and classification method beats the comparable models in terms of average operating time and average clustered error, according to tests conducted on actual, synthetic, and automatically created datasets.

Data mining as well as big data analytics represent approaches for analysing and extracting useful secret data. Although big data is complicated and large in volume, conventional methods to interpretation and retrieval do not function well. Data clustering is a common data mining approach that divides nodes into categories and makes it possible to retrieve features out of these groups. Conventional clustering techniques, including such k-means clustering as well as hierarchical clustering, are inefficient because the reliability of the groups they generate is harmed. As a result, an efficient and relatively extensible clustering technique is required. In this paper we proposed novel similarity-based clustering techniques on large unstructured transaction dataset. The HDFS file system log data has collected from real time Virtual Machine's (VM's) and generates the clusters, using reinforcement learning technique. Initially data has collected from various VM's and proposed dimensionality reduction technique has used for data reduction. The Q-learning based reinforcement learning algorithm has applied on generated event. The activation function calculates the current weight for each transaction according to reward and penalty. Finally, the threshold-based entropy function generates a final cluster. After the clustering process modified Support vector Machine (mSVM) as supervised classifier has applied on entire label data. In the extensive experimental analysis, we evaluate proposed model performance with existing techniques. The proposed clustering and classification method beats the comparable models in terms of average operating time and average clustered error, according to tests conducted on actual, synthetic, and automatically created datasets.

Keywords: Big data mining, efficient clustering methodology, Unsupervised Learning Technique, Data mining, k-means



Prof. Dr. K. N. Nandurkar
PRINCIPAL



Abstracts of papers presented during Nov 2022

Astronomical Image colorization and up-scaling with Conditional Generative Adversarial Networks

Shreyas Kalvankar, Hrushikesh Pandit, Pranav Parwate, Atharva Patil & Prof. Dr. Snehal Kamalapur

(Published paper in Journal of Electrical Engineering and Systems Science, Cornell University, <https://doi.org/10.48550/arXiv.2112.13865>)

Abstract: This research aims to provide an automated approach for the problem of Image colorization and Single Image Super Resolution by focusing on a very specific domain: astronomical images, using Generative Adversarial Networks. We explore the usage of various models in RGB and L*a*b color spaces. We use transfer learning owing to a small data set, using pre-trained ResNet-18 as a backbone encoder and fine-tune it further. The model produces visually appealing images that are high resolution and colorized. We present our results by evaluating the GANs quantitatively using distance metrics such as L1 distance and L2 distance in each of the color spaces across all channels to provide a comparative analysis. We use Fréchet inception distance (FID) to compare the distribution of the generated images and real image to assess the model's performance.

Reinforcement mSVM: An Efficient Clustering and Classification Approach using reinforcement and supervised Techniques

Dr. Satish S. Banait, Dr. S. S. Sane & Dr. Dipak Bage

(Published paper in International Journal of Intelligent Systems and Applications in Engineering (IJISAE), Scopus Indexing; <https://ijisae.org>, ISSN:2147-6799)

