



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

February 2018

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■ VIJIGISHA – Divisional Competition at Jalgaon



Vijigisha 2017-18 – A Divisional Elocution Competition

K.K.W.I.E.E.R. and ISTE Students' Chapter organized VIJIGISHA 2017-18 – A Divisional Elocution Competition at Jalgaon on 3rd February'18 at IMA Hall, Jalgaon. Since last 13 years ISTE is organizing Vijigisha – A state level elocution competition at Nashik. It was the first time Vijigisha was organized in other city. The competition was organized in two languages namely, English and Marathi. Mrs. Savita Datar (Sr. Teacher, L. N. S. High School, Jalgaon.), Mrs. Asha Kulkarni (Retd. Teacher, R. R. High School), Mrs. Sonali Rembothkar (I/c Vice-Principal, R. R. Jr. College) graced the event by their presence and judged the participants. There were 27 participants in all, out of which 23 were of Marathi and 4 were of English.

The valedictory ceremony began in the evening. The Chief Guest of the function, Mr. Bharat Amalkar (Director, Beeta Constructions & President of Srujan NGO) graced with his presence. He was felicitated by Principal Dr. K. N. Nandurkar. The Chief Guest of the evening shared his thoughts on Young Entrepreneurs. Towards the end of the ceremony, the winners were declared and awarded with the certificates and the cash prizes. The second and the third winner for English were Diya Rajput (Orivn CBSE) and

Namita Patil (RCPIT, Shirpur) respectively. The first, second, third and runner-up winners for Marathi were Saraunsh Ghodke (Law College, Dhule), Pranita Gujar (Bendale, Jalgaon), Shivani Mali (M.J. College, Jalgaon) & Pruthviraj Kale (DUPMC MBBS I Yr, Jalgaon) respectively.

■ Faculty Induction Training Program

Induction training program conducted for newly recruited 31 faculties of the institute during 5th – 7th February 2018. Principal Dr. K. N. Nandurkar and other Heads of Department delivered the lectures during induction program.

In this induction training programme following topics were covered:

- Institute overview and expectations by Prof. Dr. K. N. Nandurkar.
- Outcome Based Education by Prof. Dr. Mrs. Preeti Bhamre.
- Project Based Learning by Prof. Dr. B. E. Kushare
- Evaluation Methods by Prof. Dr. P. J. Pawar
- Educational Models : MOOCs –Method and Experiments by Prof. Milind B. Murugkar

■ Faculty Development Program by Mr. Girish Dharap

Faculty Development Program (FDP) was conducted by Mr. Girish Dharap, Nalanda Business Associates, Pune during 9-10 February 2018 for 29 senior faculties from all departments of the institute.

The activities included:

1. Build Teamwork
2. Enhance Customer focus
3. Develop Leadership
4. Generate Enthusiastic co-operation from others
5. Motivate others to peak performance
6. Communicate persuasively
7. Manage time effectively



FDP conducted by Mr. Girish Dharap



Prof. Ram Takawale, addressing all faculties

■ Governing Body Meeting

On 1st Feb. 2018 Governing Body Meeting of the institute was held in Central Office under the Chairmanship of Hon. Balasaheb D. Wagh, President, K. K. Wagh Education Society, Trustee of K. K. Wagh Education Society Shri. Changdeorao B. Holkar, Prof. D. P. Nathe, Joint Director, Technical Education Regional Office, Nashik, Prof. Dr. G. K. Kharate, University Representative, Mr. Shrikant R. Karode, Senior Consultant, Principal Dr. K. N. Nandurkar, Prof. Dr. S. S. Sane and other members were present for the meeting.



Governing Body Meeting

■ Interaction with Prof. Ram Takawale, Ex. Vice Chancellor Of YCMOU and Pune University

Interaction with Prof. Ram Takawale, Ex VC of YCMOU and Pune University was organized for faculties of the institute. On this occasion, he was felicitated by President of K. K. Wagh Education Society Shri. Balasaheb Wagh. Prof. Ram Takawale explained application of various software tools that can be used in teaching. At the end, participants had an opportunity to have a question answer session and get their doubts cleared.

■ 'MAVERICK 2018'

MBA Department of KKWIEER organized 'MAVERICK 2018' state level event on 10th Feb 2018 with an objective of inviting the undergraduate students to participate & show their hidden talent & also to make them aware about the professional institute like KKWIEER. The event Maverick 2018 was inaugurated at hands of the distinguished alumni of MBA dept. Ms. Shweta Pingle who is working as Corporate Trainer. The function was graced by Principal Dr. K. N. Nandurkar with his presence. There were nearly 350 participants were present for various activities/Games like: Dazzle (Blind Fold), Placard (Poster Making), Chase Your Luck (Treasure Hunt), Canon Eye (Photography) and Teaser (Quiz). During this event a new initiative was taken by MBA Department in the form of 'Donation Drive' where students / Participants & Staff were requested to donate old clothes, Sanitary Pads, Cash. These were distributed to needy students of 'Aadhartirtha Aadhar Ashra' Trimbakeshwar, Nashik.



Inauguration of 'MAVERICK 2018'

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■ One Day Training for supporting staff of all Departments



One day Training for supporting staff

One day Training on 'Overall development of Personality' for supporting staff was conducted on 12 Feb 2018 as IQAC initiative. Mr. P. Sriram, Director of UCD Centre Nashik was the invited speaker. Total 78 staff from all departments attended the program.

■ Telecast of Lecture by Hon. Prime Minister



Telecast of Lecture by Hon. Prime Minister

Telecast of lecture on "How to treat Examinations as Fun" by Hon. Prime Minister Shri. Narendra Modi was organized on 16th Feb 2018 for students in the institute at 3 seminars halls in the institute.

■ Shiv Jayanti in Campus



Shiv Jayanti on 19th Feb. 2018

Students of K. K. Wagh Institute of Engineering Education & Research, Nashik celebrated Shiv

Jayanti on 19th Feb. 2018. Expert talk of Hon. Shri. Nandanji Rahane was arranged on topic "Aparichit Shivaji Raje" on this occasion. Chairman Hon. Balasaheb Wagh, Shri. Sanjeev Ahire, Mr. Khode, Shri. V. W. Jadhav and others were present for this function.

■ Nashik Police Marathon 2018

Total 57 NSS volunteers of our institute participated in Nashik Police Marathon on 18 Feb 2018 out of which 37 worked in Medical emergency team and 20 participated in Run. This event was coordinated by Prof. N. B. Gurule (NSS PO).



K.K. Wagh NSS Volunteers in Nashik Police Marathon

■ ASCEND 2K18

Department of MCA has organized State Level Technical Symposium ASCEND 2K18 on 20th and 21st February 2018. This Technical Symposium was held for the budding graduates to showcase their talent and skills under one roof and also to have a feel of the sporting spirit among all the graduate students from different locations. Since year 2014, Department of MCA has been providing such important platform by organizing this Symposium, "ASCEND", under banner of student association, ABACUS Club. This year, theme of ASCEND was "Indian Culture". This year, it registered more than 390 participants. Participants were from various locations across Maharashtra. Student Participants were highly satisfied by all the facilities and technical support furnished for various competitions. Mr. Arvind Mahapatra, CEO, Netwin Infosolutions Pvt. Ltd., Nashik was the Chief Guest for the inauguration ceremony. Prof. Dr. K. N. Nandurkar, Principal, KKWIEER, Dr. S. S. Sane, Vice-Principal, KKWIEER, Prof. S. S. Jhavar, Coordinator, Department of MBA-MCA, Dr. V. C. Bagal, I/c Head, Dept. of MCA and Convener of ASCEND 2K18 were the dignitaries for the inauguration ceremony. At ASCEND 2K18, technical events were organized: Code Breakers, Poster Competition, Quiz Maze, Ludo, Selfie Mania, Counter Strike and Treasure Hunt.

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Inauguration of ASCEND 2K18

“Digital Communication Workshop”

Department of MCA has organized two days state level workshop on “Digital Communications-Challenges and Opportunities” on 23rd to 24th February 2018. This workshop was sponsored by Savitribai Phule Pune University, Pune under Quality Improvement Programme (QIP). This workshop focused on how to overcome challenges in development with IoT standards. The workshop extended to every aspect of our professional and private lives as well as key aspect of trending fields such as Industry and smart cities. The workshop was inaugurated on 23rd February 2018 at the hands of Chief guest Dr. G. K. Kharate, Principal of Matoshri College of Engineering and Research Centre, Nashik. At the end of second day Valedictory function of the workshop was organized at 3.00 pm onwards during which distributions of certificates to all participants was scheduled. Total 88 participants attended the workshop. Workshop received tremendous responses from various cities like Mumbai, Jalgaon, Bhusawal, Dhule, Yavatmal, Aurangabad and Nashik etc.



Inauguration of Two days state level workshop

Visit to TCS and interaction with K. K. Wagh Alumni working in TCS

Hon.Trustee Shri. Sameer Wagh, Dr. S. S. Sane, Dr.D. M. Chandwadkar and Dr. P K Shahabadkar visited TCS, Pune on 5th February 2018 with an

objective of strengthening the K. K. Wagh-TCS relations. Our team held discussion with Mr. Shekhar Kamble, GM, HR (Maharashtra & Goa Section) and also with Mr. Hrishikesh Dhande, TCS, HR Manager (Academic Interface). Team also held the interaction with K. K. Wagh Alumni working in TCS Hinjewadi, Pune Branch. Around 12 Alumni working in TCS of Sahyadri Park, Pune have participated in these interactions. Alumni members appreciated institute's effort in connecting with them in TCS and agreed to conduct expert talks and guide the juniors.



Interaction with TCS and K. K. Wagh Alumni working in TCS

Congratulations !

Four awards to K. K. WAGH Staff BY CSI

Computer Society of India (CSI Mumbai TechNext India 2018) has awarded the following awards to staff of our institute for their contribution in the various fields. Award function was held at IIT Mumbai on 11th February-2018

- ❖ Principal Dr. K. N. Nandurkar as Best Principal of the Year,
- ❖ Dr. S. S. Sane (Head of Computer Engg.) as Best HOD of the Year
- ❖ Dr. D. M. Chandwadkar (Head of E&TC Engg.) with Dr. S. A. Patil for Best industry aligned research
- ❖ Dr. P. K. Shahabadkar (TPO) as Best TPO of the Year



Awards by CSI

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English training program for Teachers

Words Maya Edu Tech Pvt., Ltd., Pune conducted "English Training Program for Teachers" from 14th December-2017 and continued up to 17th February 2018. This program was spread over a period of two months for about 41 hours. Training included 21 hours of Face to Face workshop and remaining 20 hours was through video conferencing and online learning through mobile App. The objective of the training was to improve the confidence in Communicating in English through group activities and assignments. Around 40 staff members have attended this workshop.



Group Photo of English Training Program for Teachers

Karmaveer Sports Fest 2018

Opening Ceremony of Karmaveer Sport Fest 2018 was conducted in Month of February 2018. Prize distribution was conducted at the hands of chief guest Mr. Alejandro Lopez, Member of Atletico Madrid (Spain) – Football team.



Prize distribution of Sports Fest

Karmaveer Sports Fest 2018 been conducted with following events:

- Cricket Winner: Sandip Foundation, Runner-up: KKW Ex Total participation: 12 teams
- Football Winner: Sandip Foundation, Runner-up: MET Engg., Total participation: 12 teams
- Volleyball Winner: KKW Agriculture, Runner-up: Sandip Foundation, Total Participation: 09 teams
- Chess: Total participation - 37
- Lawn Tennis: Total Participation - 24

International conference on 'Emerging Trends in Civil & Environmental Engineering'

Department of Civil Engineering organized international conference on topic "Emerging trends in Civil and Environmental engineering during 26th-27th Feb 2018 sponsored by SPPU Pune. For inauguration of same Chief guest was Dr. J. E. M. Macwan, Professor, SVNIT, Surat and Guest of honor was Dr. Shankar Murthy, Professor, NITIE, Mumbai. Principal Dr. K. N. Nandurkar addressed to all the participants on this occasion. Dr. D. G. Regulwar, Professor, Government COE Aurangabad.



International conference on Emerging Trends in Civil & Environmental Engineering

Two days workshop on "Internet of Things (IoT): Scope and Applications"

The Department of Information Technology organized a two days BCUD sponsored State Level Workshop under Savitribai Phule Pune University, Pune on "Internet of Things (IoT): Scope and Applications" on 26th and 27th Feb. 2018. Prof. Dr. Parikshit Mahalle S. K. N. C. O. E., Vadgaon, Pune (Formally Coordinator BOS IT), Mr. Tejas Rawal, Associate Director, MITU Skilologies, Pune and Mr. Aniket Thorave, Developer and Trainer, MITU Skilologies, Pune was the resource persons for the workshop. 114 students from different university and colleges participated in this workshop.



Resource persons for Two days BCUD sponsored State Level Workshop

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

- Department of Computer Engineering organized Expert Lecture on "Emerging Trends in Embedded System and Internet of Things" by Dr. R. S. Tiwari, Director of Cognifront Academy, Nashik on 04th and 05th Feb. 2018 and Session on "Education Opportunities Abroad" by Mr. Hiren Panjwani from Akshay Study Abroad Consultants, Nashik on 22nd Feb. 2018.
- Department of Electronics & Telecommunication organized Seminar on 'Avionics Navigation' for T.E. students by Mr. K. Shankar Narayan, HAL on 07/02/2018 and Workshop on "Web designing and mobile app development" by Mr. Ajay Avadh, Senior software developer, Snapwork Technologies on 17/02/2018. Same department also organized on Seminar on "Applications of control systems in Indian Railways" by Mr. V. N. Bodade on 17/02/2018.
- Department of Production Engineering organized expert lecture on "Quality Assurance" by Mr. Prashant V. Jagtap and expert lecture on "Sensor Technology" by Mr. Ajay Hayliji on 26/02/2018.
- Department of Civil Engineering organised an expert lecture on the topic 'RERA Information' by Vijay Sanap, Expert Lecture on 'Soft skill & Presentation Skill' by Pushkar Phade and Expert Lecture on 'PMC Role Selection & appointment Process' by Milind Tare. Same department also organized an Expert Lecture on 'Financial Aspect of construction Project' by Piyush Chandak, Expert Lecture on "Application trends of Dam Safety & Instrumentation" by M. G. Nokhil and Expert Lecture on 'Bridging gap between College & Industry' by Shri. Swapnil Joshi.
- Department of Mechanical Engineering organised two days workshop on Power Sector (Policy and Technology) for students and staff from 14/02/2018 to 15/02/2018, expert lecture on Recent Practices in Refrigeration System by Mr. Suresh Dismishe, Mr. Sanjay Nikam and Mr Gaidhani on 08/02/2018. Same department also organized One day workshop on "Advance Mobility" by Dr. Priyadarshani Karve, Vikrant Bhalerao on 23/02/2018 and expert lecture on 'Recent trends in aviation sector' by Mr. Vinukumar R., Manager, HAL Ozar on 16/02/2018.
- Department of Electrical Engineering organised Two days national level workshop, sponsored by SPPU, Pune under QIP on "Smart Grid Technology and Applications of IOT", Expert Lecture on the topic "Energy Conservation Devices" by Mr. Shailesh Parashare, Teknocrats Control Systems Pvt., Ltd., on 11/01/2018. Same department also organized an Expert Lecture on "Project Guidance" by Mr. John Yesuraj, General Manager- R & D, CG Power and Industrial Solutions Ltd., on 13/01/2018 and Expert Lecture on the topic, "Gas Insulated Switchgear" by Mr. Rahul Patil from same Company on 27/01/2018.
- Chemical Engineering Department organized Expert Talk by Dr. S. Murthy Shekhar, Professor & Head, Siddganga Institute of Technology, Tumkur, Karnataka on UniSim Simulation Software on 10/02/2018, an expert lecture by Mr. Amit Gore, Director, Akshay Study Abroad Nashik on Study Abroad on 02/02/2018 and Expert Talk of Mr. Sagar Nikam, Managing Director, Excellence Learning Centre Pvt., Ltd., on 'MBA Entrance Exam Preparations' on 23/02/2018. Same department also organized Expert Talk of Mr. Chinmay Kshirsagar, Associate Manager, Suzler India Pvt., Ltd., on Process Engineering, expert lecture by Mr. Danish Bade, Sr. Proposal Engineer-APAC, Global Proposals Support, Honeywell Automation India L. Pune on 24/02/2018 and Expert Talk of Dr. V. V. Mahajani (Ex Professor of ICT Mumbai and an Advisory Committee Member of our Institute) on topic 'Static Mixtures' on 28/02/2018.
- The Dept. of Information Technology organized a three day hands on workshop on "C++ programming language" for school students by Prof. S. R. Deshmukh, Prof. S. K. Badjate and Prof. U. P. Pisolkar on 8th to 10th Feb. 2018, a seminar on "Transformation of engineer to programmer" Mr. Rahul Mahale, BigBinary LLC Nashik on 3rd Feb. 2018 and a seminar on "Think Big with Big Data" by Mrs. Anuja Kulkarni, Technical Leader, Thinking Hut IT Solution Pvt., Ltd., Pune on 23rd Feb. 2018. Same department also organized a

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seminar on "Management as a career option" by Mr. Vishal Jategaonkar, Centre Director, PT Education, Nashik on 16th Feb. 2018.

- Department of MCA has organized Expert Lecture on "Xamarin.Forms" by Mr. Rahul Bhamare on 3rd Feb. 2018 and Workshop on "Linux Operating System" by Mr. Kishor Ahire and Mr. Nikhil Baravkar on 5th Feb. 2018.
- Department of MBA organized a session on "Commodity Market" by CA, Shubham Mundade on 3rd Feb 2018 and a session on 'Competency Mapping' by Major. Ramesh Shiradhonkar on 17th Feb 2018. Same department also organized Two days' workshop on "Advance Excel" during 16th to 17th Feb 2018
- On 28th February, 'Kavya Vachan Spardha' was organized by Library of our institute on occasion of 'Marathi Bhasha Din'. Mr. Pandurang Kulkarni, well-known writer and poet was present as Chief Guest and judge for the competition.

■ Seminars/Workshop/Training attended by Staff:

- Trustee Er. Sameer Wagh (K. K. Wagh Education Society), Principal Dr. K. N. Nandurkar, Prof. P. T. Kadve (Principal, K. K. Wagh Polytechnic) and Dr. P. K. Shahabadkar (TPO) visited MMRDA Mumbai ground for Magnetic Maharashtra program inaugurated by Hon. Prime Minister Shri. Naredra Modi.
- Principal Dr. K. N. Nandurkar, Dr. P. K. Shahabadkar (TPO) & past Student Shri. Amit Shetty attended one day state level workshop on "Enhancing quality of technical education-Issues and Challenges" at Thakur College of Engineering & Technology, Mumbai.
- Computer engineering staff Prof. I. Priyadarshini attended Two days state level workshop on 'Recent advances in IoT' from 9th to 11th Feb 2018. Prof. A. V. Kolapkar has attended International FDP on "Data Science and Machine Intelligence", PCCOE, Pune from 15-16th February 2018. Prof. R. H. Jadhav and Prof. M. P. Mahajan attended Two days state level workshop on Security in Embedded System and IoT, NDMVP Nashik from 27-28 Feb 2018.
- Principal Dr. K. N. Nandurkar and Production Engineering staff Dr. P. J. Pawar, A. S. Kamble, S. B. Gunjal and V. S. Gaikwad

attended BE Production (2015 Course) Syllabus Revision Workshop organized by Sinhgad COE, Pune on 08/02/2018. Dr. P. J. Pawar and Prof. N. B. Gurule visited Air Force Sation, Ozar under Industry-Institute Interaction.

- Electrical Engineering staff Prof. R.A. Ahire has attended two days workshop on "Security on embedded systems and IOT" on February 27-28, 2018 at NDMVP's, KBGT COE, Nashik.
- Chemical Engineering Staff Prof. G. B. Daware, Prof. S. N. Derle, Prof. S. S. Shinde, Prof. Tejmal B. Mahale have attended two days State Level Workshop on "Application of Computer Aided Chemical Process Simulation" organized by SVIT Chincholi, Nashik from 9th to 10th Feb. 2018.

Information Technology departmental staff Prof. Smita N. Chaudhari attended two days National Level workshop on "Real time signal Processing using Xilinx Vivado System Generator" on 15th and 16th Feb. 2018 at Dept. of E & TC, SNJB's COE, Chandwad.

- MCA departmental staff Archana L. Rane attended two days State level Workshop from 27th Feb. to 28th Feb. 2018 on "Security in Embedded Systems and IOT" organized by Department of Computer Engineering, NDMVP College of Engineering, Nashik.

■ Industrial Visits Organized For Students:

Date	Class	Name of Company
07/02/2018 -10/02/2018	B. E. Mechanical (A, B, C)	Nashik Thermal Power Station (NTPS), Eklahare
08/02/2018	T. E. Chemical	Kadawa Sahakari Sakhar Karkhana
12/02/2018	B. E. Electrical	Crompton Greaves Ltd., Nashik
12/02/2018	MBA (I and II)	Indian Tool Manufactures, Satpur Nashik
16/02/2018	S. E. Mechanical A1	Patson
16/02/2018	S. E. Mechanical A2	Shree Engineering
16/02/2018	S. E. Mechanical A4	B- CATMA
16/02/2018	B. E. Electrical	Jawahar Sutgirini, Dhule
17/02/2018	S. E. Civil (II Shift)	RMC Plant Sinner
20/02/2018 21/02/2018	T. E. Mechanical (A,B,C)	Nashik Engineering Cluster, Ambad
22/02/2018	T. E. E & TC	Caprihans India Limited, Satpur, Nashik
23/02/2018	S. E. E & TC	ISRO, Bangalore
23/02/2018	B. E. IT	Times of India (Tol), Airoli Mumbai
24/02/2018 25/02/2018	S. E. Mechanical (A,B,C)	Sahyadri Agro. Farm
24/02/2018	S. E. Electrical	Deshmukh Solar Energy Pvt., Ltd., Adgaon
24/02/2018	S. E. Electrical	132 kV Substation, Takali
24/02/2018	T. E. Electrical	IRIEEN, Nashik Road

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■ Training & Placement :

Name of Company	Name of the Dept.	No. of students selected
Aress Software Solution Pvt.Ltd.,Pune	Computer Engg.	04
	Information Tech.	03
Qspider Software Testing Training Institute, Pune	Computer Engg.	04
	E&TC Engg.	06
	Information Tech.	01
ICICI	Computer Engg.	04
Research Inn	Computer Engg.	03
Systemics	Computer Engg.	01
Ezest	Computer Engg.	01
TCS	E & TC Engg.	05
DRDO	Chemical Engg.	02
Shayadri Agro , Nashik	MBA	07
Caprihans India Limited	MBA	02

■ Abstracts of papers presented during Feb. 2018:

Prediction model based on market basket using a joint approach of artificial neural network and genetic algorithm

R. A. Gangurde

(Presented at World conference on Applied Science, Engineering and Technology (IFERP))

Abstract: Market Basket Analysis (MBA) is one of the data mining tools that are used for discovering co-existence or co-occurrence of categorical observations. Market Basket Analysis is useful in recognizing purchasing patterns of customers in relational market from the relevant transactional data. However, it is still very difficult to get valuable information hidden in large databases. The proposed approach uses a novel technique to reduce such difficulties. Initially, the proposed work uses the Extended HCleaner Algorithm which efficiently removes noise from the datasets. Then, the preprocessed datasets are converted in to the ANN model. From the ANN model, the weights between the products are determined. The products which contain the maximum weights are further sent to the Apriori algorithm, where it calculates combinations of the products. The result acquired from the Apriori algorithm is sent to next level of predictive model. It contains the two components: (1) similarity calculation through cosine similarity technique and (2) genetic algorithm. The cosine similarity is used to find the association between products which is further sent to the genetic algorithm to find the best solution through optimization. The results acquired from the proposed work are compared with the existing

techniques based on the precision, recall, F-Measure, and time. It is shown that the proposed work provides more accurate prediction than the existing techniques.

■ Auto-centering of seamless pipe for NDT using Three Guide Roller FLD Techniques

Prof. P. R. Beldar

(Published a at International Journal of Technical Innovation in Morden Engineering & Science (IJTIMES))

Abstract: Auto-centering of shaft is the key operation in the industry. This paper deals with actual auto-centering requirement of the seamless pipe manufacturing industry. Seamless pipe is to be feed for the non destruct testing(NDT) but there were few problems problems such as jamming of upper roller, wearing of roller material. Sometimes offsetting of roller axis is also seen. This causes incoming pipe to struck in between. Many times manual interference is required to ensure axis alignment. Bearing failure also occurs and ultimately the proper inspection of pipe in ultrasonic setup and eddy current test setup cannot be done. Hence development of auto-centering mechanism comes in the picture. Along with the development of mechanism vibration level should be less. Free layer damping treatment is used to avoid vibrations of rollers and to reduce wear of the rollers. Tri-roller design along with FLD patches is suggested in this paper to improve the life of machine. Vibration testing is done with N LabView software to measure damping loss factor with MATLAB code.



Winners of Vijigisha 2017-18

Prof. Dr. K. N. Nandurkar
PRINCIPAL

