

**■ Convocation Ceremony**



Convocation Ceremony

Convocation Ceremony for UG courses of K. K. Wagh Education Society was held on Monday 19th March 2018 at Institute. The chief guest for the function was Hon. Prof. Dr. V. G. Gaikar, Vice-Chancellor, Dr. Babasaheb Ambedkar Technological University (BATU), Lonere. Hon. Shri. Balasaheb Wagh, President of K. K. Wagh Education Society, presided over the function. Total 912 students from K. K. Wagh Institute of Engineering Education and Research, Nashik, 177 students from K. K. Wagh Arts, Commerce and Science Colleges and 10 students from K. K. Wagh B.Ed. College, Nashik received the degree on this occasion.

**■ College Development Committee (CDC) Meeting**



CDC Meeting

CDC meeting was conducted in the institute on 1st March 2018. For the meeting CDC

member Dr. V. G. Pangarkar and Shri Sachin Kakade were present. Meeting is conducted in presence of Hon. Prsident Shri. Balasaheb Wagh and Principal Dr. K. N. Nandurkar. The CDC Member gave the suggestions for the overall development of Institute.

**■ IET- Karmaveer Expo 2018**

Department of Electrical Engineering of our Institute in association with IET (U.K.) Nashik Local Network has organized a National Level Working Model/Project Contest, "IET-Karmaveer Expo 2018" for the students of Engineering & Technology during March 23-24, 2018. The department is organizing this event since year 2003. The objective of organizing this contest is to link the theory knowledge gained by the students in class to practical knowledge and to provide platform for students to share application of technical knowledge in the form of working models.

The project entries were divided into three groups:

Group A: Electrical, Electronics, Electronics and Telecommunication, Computer, Information Technology etc.

Group B: Civil, Mechanical, Production, Chemical, Textile, Sugar Technology, Metallurgy etc.

Group C: IOT applications based models and the models from the polytechnic students are exhibited in Group-D.

The prizes were given to the best three models from the each group and consolidation prizes were given to best three projects of Group D.

The total prize amount was Rs. 2,50,000/-. For valedictory function of IET Karmaveer Expo 2018 Chief Guest Hon. Shri. Mukul Shrivastava, Vice-President, Switch-Gears Division, Crompton Greaves Ltd., Nashik and Guest of honour was Mr. Kallol Saha to distribute the prizes.



Inauguration of the IET- Karmaveer Expo 2018

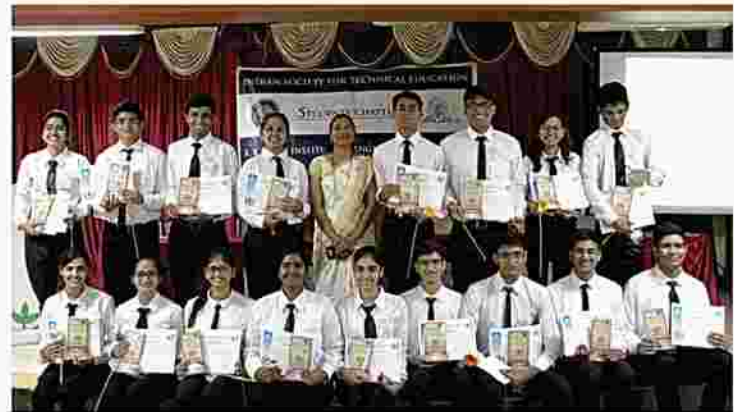


Prize distribution; IET Karmaveer Expo 2018

### ■ Master Students' Program 2017-2018

The Master Student Program is organized every year in K. K. Wagh Institute of Engineering Education and Research by ISTE student's chapter since 2003 and this year it marked its 15th year of success. It was conducted on 16th March 2018. This program is inspired by a Manual called "Master Student" prepared by ISTE. The theme usually revolves around the development of technical and non technical skills that an engineering student needs to inculcate in his life. The theme of this year's Master Students Program was "ENGINEER'S SPECTRUM" introduced by Principal of the institute Prof. Dr. K. N. Nandurkar. The theme is broadly classified into fourteen subtopics which were presented by fourteen students selected from various department of second year engineering as a speaker. In this program, 17 best speakers from all over the second year are selected and 14 of them gave presentations to the first year students, one of them introduced MSP and ISTE and remaining two were anchors and host the

entire event. The speakers delivered a short presentation, each concentrating on the various facets of the given theme. Principal Dr. K. N. Nandurkar explained the agenda for the whole day and told the audience how these activities will enhance their skills. There were around 155 participants from all over the college. Speaker were mentored by third year students. For the concluding session, certificates were distributed by the hands of Chief Guest Mr. Deepak Kulkarni, Plant Head, Siemens, Nashik.



Speakers of Master Students' Program

### ■ State level workshop on "LV Switchgear Selection & its Applications"

Electrical Engineering department organized state level workshop on LV Switchgear & its application in Association with IET-Nashik Local Network from 12th to 13th March 2018. Total 104 participants attended this workshop. Mr. Narendra Kashya- Faculty L&T Training Centre-Pune & Mr. Sanjay Kale - Head, L&T Training Centre – Pune was resource person for same.



Inauguration LV Switchgear Workshop

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### ■ TELEKINESIS 2K18

Department of Electronics and Telecommunication Engineering organized State level Symposium "TELEKINESIS 2K18", during 21st to 22nd March 2018. Chief Guests were Mr. Nitin Mahajan, General Manager, BSNL, Nashik and Mr. Pradeep Shenoy, Senior Divisional Manager, LIC, Nashik. In the event various competitions were organized like Project Competition, Recruitment Spark, Poster Competition, Circuit Building, Technical Quiz Competition, C-Programming, etc under TELEKINESIS 2K18. Event received overwhelming response of 700+ participants from various places across Maharashtra like Pune, Nashik, Jalgaon, Dhule, Chandwad, and Ahmednagar. Eminent Judges from various Industries and Colleges judged competition. First copy of Departmental magazine was also released in the inaugural function of Telekinesis 2K18 by Chief Guests and Dr. D. M. Chandwadkar, HOD E&TC/ Electronics.



Inauguration function of Telekinesis 2K18

### ■ FORCE 2018

Department of Civil Engineering organized two days National Level Technical Symposium FORCE 2018 on 20th and 21st of March 2018, which comprised of 07 Technical events. It included Bridge-O-Mania, Tower Power, CAD Enza, Surveying-e-Everest, Fancy Buoyancy, Reinforcement, Vision, with Poster Competition, Snap Hunt, Poster Competition, Fun Games and Drama based on Social Issue. These events are exclusively based on Civil Engineering related knowledge & activities. Every year FORCE creates awareness on Social Issues. This year the theme of event was Sanitation for all, to create

awareness amongst the people regarding sanitation. The Chief Guest for Inauguration function was Mr. Vikas P. Ramgude, Joint Director, Maharashtra Engineering Training Academy, Nashik. Sanitation kits were distributed by the Chief Guest to the sweepers of K. K. Wagh Institute of Engineering Education & Research. More than 1000 students came from farthest corners of India for this event.



Felicitation of Chief Guest Mr. Vikas P. Ramgude

### ■ ECLAT Invasion 2018

Production engineering department of our institute organized "ECLAT Invasion 2018", State Level Technical Event on 22nd & 23rd March 2018. This is the 8th consecutive year department is organizing this event. This event was inaugurated by Dr. Ravinder Kumar Singal (Commissioner of Police, Nashik) and Mrs. Namita Kohok (Mrs. Global United 2017- USA) along with Principal Dr. K. N. Nandurkar, Mr. Ajinkya Wagh and Head of Department Dr. P. J. Pawar. In this event various technical competitions were organized such as Logo Quiz, Poster Presentation, PPT Presentation, AD-MAD, Save the Eggstronaut, TV Maniac, Snookball, Neon-Cricket, Warrior, Rahasya, 60-Sec's to Fame, Human Ludo, CS/NFS & Photography. For this event 648 students were participated from various institutes.



ECLAT Invasion 2018 Inauguration

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### AIMTDR-2018

Second State Level Students Conference on “Advances in Industrial Engineering, Manufacturing, Tool Design and Robotics (AIMTDR-2018)” organized by the Department of Production Engineering of our institute in association with Indian Institution of Production Engineers (Nashik Local Chapter) on 31st March 2018. The main objective of this conference was to promote the research culture in UG and PG students of various engineering institutes in Maharashtra. About 33 research papers have been received and presented in the conference. This conference was inaugurated by auspicious hands of Dr. Paresh Gupta, Senior Manager, Design, HAL, Nashik. Prof. Dr. K. N. Nandurkar, Principal, delivered welcome address and guided the audience. Keynote session was delivered by Dr. Paresh Gupta on the topic Industry 4.0. Dr. P. J. Pawar (HOD Production) and Prof. Amol S. Kamble coordinated this event.



Inauguration of AIMTDR-2018

### EQUINOX 2018

Department of Computer Engineering organized Equinox 2018, a National Level Symposium under Debugger's Club and Computer Society (CSI) Student Branch on 21st and 22nd March 2018. The event was inaugurated on 21st March 2018. Mr. Hasit Kaji, TCS, DISQ, Nashik was the chief guest for the event. Mr. Hasit Kaji inspired the students by sharing his experience. Various events such as Workshop on A.I. on P.I., Hunger Games, White Collar, Ink Sync, Muggle Quidditch were conducted on day 1. On day 2, having some exciting events like Source Code, Inquizitive, Shutterbug and Stock Minder were arranged. This National level event received more than 500 participants from various colleges. All

events were judged by esteemed judges from various fields. Students participating in the event won various exciting prizes. Further “White-Spot- screening ideas” club was inaugurated by Mr. Hasit Kaji and “KKWIEER-Redx” an innovation Club was inaugurated by Rishabh Rambhia.



Inauguration of “Equinox 2018”

### MECHEAVEN 2018

MECHEAVEN 2018 an interdisciplinary event was organized by Department of Mechanical Engineering during 22 & 23rd March. About 1140 students in and around Nashik participated in the event. Many interesting competitions like “CAD war, ROBO RACE, LASER Maze, Bike Mania, Mechelfie, Cannon Ball, etc. saw an overwhelming response”. Art-o-motion and Magneto were the new events of the year. Prof. Amit Bhagure & Prof. S.D. Mate coordinated the event under the guidance of Prof. M. B. Murgukar, Head of Mechanical Engineering Department. Mr. Avinash Sisode, Chairman E & G Group & Mr. Avinash Chintawar, Plant Head, BOSCH Ltd., Nashik were invited as Chief guest for inauguration & Valedictory function respectively.



Prize distribution of MECHEAVEN 2018

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### ■ CHEMFEST 2K18

Department of Chemical Engineering organized two day National Level Technical Symposium, CHEMFEST 2K18 on 20th and 21st March 2018. The event promoted the theme of "Energy power innovation". The Symposium contains various competitions like Paper Presentation, Model Making, Poster Painting, Salt Act, Neon Cricket, friends Quiz, chase the mystery and mad adds. The Symposium was inaugurated by Chief guest Dr. V. G. Pangarkar, Retd. Professor & Head, ICT, Matunga Mumbai. Principal Dr. K. N. Nandurkar felicitated the Chief Guest. Mr. Chandrakant Mohikar (Petro-project Consultant), Prof. Jaydeep Shah, Prof. Saurabh Ambiwadekar, Prof. M. Y. Khalkar were among the panel of judges for various events. Overall event was grand success. The total participants for various events in CHEMFEST-2K18 were around 600.



Inauguration of CHEMFEST 2K18

### ■ Itiazza'18

Words The Department of Information Technology hosted a two days National Level Technical Symposium, ITiazza'18, on 20th and 21st March 2018. The Symposium comprised of C Programming contest, Mock Placement (Aptitude Test, Group Discussion Contest), Assemble IT (CPU assembly contest), Color Pallete (Poster Competition & Gaming Contest). The theme for the event was based on "Cashless Economy". The Symposium was inaugurated by the hands of Mr. Shridhar Vyawahare, Founder, Vaibhav Placement, Nashik. Principal Dr. K. N. Nandurkar felicitated the Chief Guest. Dr. Rupali Khaire, Director, MGV's Institutes of Management and Research, Nasik was Chief Guest for the valedictory function. Prizes were distributed to winners of various events by the

hands of Chief Guest in valedictory function. Total 388 students from different Institutes had participated in the various events of ITiazza-18.



Inauguration of ITiazza-2018

### ■ NCREATE - 2018

A one day National Conference on "Recent explorations & Advancements in Technology and Enginccring (NCREATE 2018)" was held at department of Electronic and Communications Engineering of our institute on 16th March 2018.



NCREATE 2018

### ■ FE Parent Teacher Meet

Parent counseling session and parent-teacher meet was scheduled on 10th March 2018 at our institute for first year class. It was organized by Applied Science and Maths department. Prof. V. N. Chavan conducted counseling session for parents on topic: "Effective Parenting". Parents were guided by Prof. Suryawanshi to follow ERP software for checking attendance of their ward. Prof. Dr. S. N. Kadlag, Head of Applied Science and Maths delivered speech on this occasion.



FE Parent Teacher Meet

### ■ Poster Presentation competition for FE Students

Poster Presentation competition was held for FE Students of all branches on 19, 20 and 21st March 2018. Almost 90% of students of all classes have participated in the competition. Prof. Dr. S. S. Naik was the coordinator for the Poster Presentation. Theme of Posters was based on respective Technical Branch. Two Winner Groups from each FE Division were selected by the Judges of Respective Department.



Poster presentation competition for FE

Prize distribution ceremony of poster competition was held on 12th April 2018 in presence of Mr. Dharmesh Poria (M.D., S. P. Industries, Nashik) who is also alumnus of our institute.

### ■ Homage to Kakusheth Udeshi

106th Birth Anniversary of Kakusheth Udheshi was celebrated on 7th March 2018 in the Institute. For this program Principal Dr. K. N. Nandurkar and all heads of department were present.



Homage to Kakusheth Udeshi

### ■ Innovation award by Sakal

The project of done by Mr. Rajvi Sheth, Ms. Mitali Sharma, Ms. Akshita Murdnar of BE (E&TC) under the guidance of Prof. Dr. D. M. Chandwadkar have received third prize in Innovation Fest organized by Sakal at NDMVP Engg College on 17th March 2018.



### ■ Research Paper Writing and Plagiarism Awareness

Expert lecture on "Research Paper Writing and Plagiarism Awareness" By Prof. Dr. Vinayak Bairagi, AISSMA IoT, Pune was arranged for staff and PG students of our institute on 20th March 2018 in meeting Hall No. 2



Speech by Prof. Dr. Vinayak Bairagi

### ■ Interaction of experts with staff on 29th March 2018

An expert Dr. S. A. Kelkar, Dr. Omprakash Kulkarni and Dr. J. D. Bapat interacted with all faculties of the institute on 29th March 2018. Hon. President Shri. Balasaheb Wagh felicitated these experts on this occasion. Experts delivered their speeches for the overall development of the institute on this occasion. Principal Dr. K. N. Nandurkar, all heads of department and faculties were present for the interaction.



Interaction of Experts

### ■ Sport Activities

Our institute student won the championship in cricket as well as in football organized by NDMVP Engineering College namely "Vasant Karandak 2018". Also student of the institute stood at Runner-up position in T-20 Sapkal Challengers Trophy 2018 Tournament organized by Sapkal Engineering College Nashik. Ms. Mahima Gaikwad, Mr. Durgesh Pachghare, Mr. Atharva Patil of SE Computer participated in Tata Crucible Hackathon and selected among Top 9 teams from entire West Zone for final round.



Cricket team won Championship



Football team won Championship

### ■ Expert Lecture/Seminar/Courses/Workshop Organized:

- Department of Computer Engineering organized Expert talk on the topic "Android Application Development Using Android Studio" Mr. Mahesh Gawale, Application Developer, Infinity IT, Nashik on 1st March 2018, Expert talk on the topic "Current Trends in Web Technology" by Mr. Krishna A. Handge, Founder of Way of Work InfoTech, Nashik on 3rd March 2018 and Training program on "eLearning Software for Data structures" by Ms. Meghna Tiwari, Cognifront, Nashik on 5th March 2018. Same department also organized Expert talk on "Coding Standards" by Ashwini Bidwaik, Jr. Programmer, Netwin Systems and Software Pvt., Ltd., Nashik on 10th March 2018, Expert Talk on "Cryptography and its Application" by Mr. Tanmay S. Dixit, Center for Personality Assessment and Graphology, Nashik on 16th March 2018 and Expert talk on "Recent Trends in Mobile Application Development" by Mr. Nikhil Shahane, Founder of BlueSky Pvt., Ltd., on 16th March 2018. Same department also organized Expert talk on the topic "Parallel Programming" by Ms. Anuja Apte, KPIT Technology, Pune on 17th March 2018, expert talk "Bootstrap and PHP" by Mr. Shubham Bhokare on 17th March 2018 and Introductory session on IoT by Prof. Dr. R. S. Tiwari and Cognifront Team on 23rd March 2018. Same department also organized Two days state level workshop on IoT by Prof. Dr. R. S. Tiwari and Cognifront Team on 24th and 25th March 2018, Expert Talk on "Current Trends" by Mr. Mahesh Jadhav, TCS (Tata

Consultancy Services) on 26th March 2018 and Expert Talk on "CRM & its Application" by Mr. Arun Sharma, Director, CRM application, NTT Data, US on 29th March 2018. Same department also organized REDEX Club: Week 2 activity by Prof. Ramesh Raskar on 29th March 2018, Seminar on "Career Guidance" by Mr. Rahul Ahire on 31st March 2018 and Expert Talk on "Regression Automation Tools" by Ms. Snehal Gaikwad on 31st March 2018.

- Electronics & Telecommunication Department has organized State level workshop on "Hands on Training in VLSI Design and Verification" by Mr. Shrikant Atkarne from NI Logic, Pvt., Ltd., Pune & Mr. Mayur Deshmukh from CoreEL Technology, Pune from 5th to 7th March 2018, Seminar on "Technology advancements - Bring autonomy further into reality" by Mr. Prasanna Deshpande & Mr. Amit Doshi, Senior application engineer, MathWorks on 16th March 2018 and Seminar on "Product Development Cycle in industry" by Mr. Uday Karlekar, Chief faculty, Technocrafts on 24th March 2018. Same department also organized Seminar on "Wireless Networks" by Dr. R. S. Tiwari, Director, Cognifront on 28th March 2018 and Expert Lecture on "Interview skills and Resume writing" by Mr. Vishal Jategaokar on 28th March 2018.
- Mechanical Engineering Department organized Audit Course Lecture on "Entrepreneurship" by Mr. Nitin Jadhav on 31st March 2018 and 2nd April 2018.
- Department of Civil Engineering organized an Expert lecture of "Plumbing Engineering" by Mr. Vinay Barpande on 14th March 2018 and Expert Lecture on "Mix design" by Mr. Vivek Battiwale on 31st March 2018.
- Chemical Engineering Department organized expert lecture of Mr. Sandip Shukla, Business Development Manager, Science for Society Technologies, Mumbai on 12/03/18, Expert Talk of Dr. Vishal Waman Wagh, AISSM Institute of Management, Pune on 23/03/18 and Expert Talk of Dr. B. N. Thorat, Professor and Head, Chemical Engineering Department, ICT Mumbai on 24/03/2018.
- The Department of Information Technology had organized four day workshop on

"Development of Aptitude and Soft Skills" by Mr. Anil Kumar and Mr. Venkatesh Reddy, Globarena Pvt., Ltd., Hyderabad during 22nd to 25th March 2017.

- Department of MCA organized Aptitude Training Programme by Mr. Harshad Pethe on 8th March 2018, Expert Lecture on "Web services" by Mr. Rajesh Borse on 1st March 2018 and Expert Lecture on "Node JS" by Mr. Chetan Mekha on 3rd March 2018. Same department also organized Expert Lecture on "Communication Protocols" by Mr. Badal Kumar Tiwari on 10th March 2018, Expert Lecture on "Cloud Computing" by Mr. Harish Pawar on 17th March 2018, Expert Lecture on "Entrepreneurship: Challenges and Opportunities" by Mr. Soham Garud on 24th March 2018 and Expert Lecture on "Android application development" by Mr. Dnyanesh Kalal on 31st March 2018.
- Department of MBA organized a session on "Gender Equality" by Dr. Manisha Aher on 17th March 2018 and Expert lecture on "Resume Writing" by Mr. Amogh Kshirsagar on 24th March 2018.

#### ■ Seminars/Workshop/Training attended by Staff:

- Computer engineering staff Prof. M. P. Mahajan, Prof. D. M. Kanade, Prof. S. D. Jadhav have attended Two days Sakal Innovation Fest 2018 from 15th to 16th March 2018. Prof. N. G. Sharma attended Two days workshop on "Machine Learning & IOT" from 16 to 17th March 2018.
- Mechanical Engineering Staff attended five days Entrepreneurship development programme in Solar PV by GERMI & USAID from 5th to 9th March 2018.
- Production Engineering Staff Bhusnar A. B. attended two days Seminar on "New Product development" at AISSMSCOE, Pune during 8-9 March 2018.
- Chemical Engineering Staff Prof. P. P. Joshi has attended One Week QIP sponsored Faculty Development Program on topic "Solar Energy Harvesting" at SGGS Institute of Engg. and Technology, Nanded from 27/03/2018 to 31/03/2018.

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**Industrial Visits Organized For Students:**

Date	Class	Name of Company
03/03/2018	S.E. Electrical	TAAC, Nashik
13/03/2018	SE Mechanical (Div.A) Roll No. 1 to 25	B-Catma
13/03/2018	SE Mechanical (Div. A) Roll No. 26 to 50	Shalaka Shaft
13/03/2018	SE Mechanical (Div. A) Roll No. 51 to 75	J. M. Engineering
13/03/2018	SE Mechanical (Div. B) Roll No. 1 to 22	Unique Heat Treatment
13/03/2018	SE Mechanical (Div. B) Roll No. 23 to 44	Quality Induction
13/03/2018	SE Mechanical (Div. B) Roll No. 45 to 68	Right Tight Fasteners
13/03/2018	FY MCA	Datamatics Global Services, Nashik
14/03/2018	SE Mechanical (Div. A) Roll No. 26 to 50	Mungi Brothers
14/03/2018	SE Mechanical (Div. A) Roll No. 51 to 75	Shalaka Shaft
14/03/2018	SE Mechanical (Div. A) Roll No. 1 to 25	J. M. Engineering
14/03/2018	SE Mechanical (Div. B) Roll No. 23 to 44	Unique Heat Treatment
14/03/2018	SE Mechanical (Div. B) Roll No. 45 to 68	Quality Induction
14/03/2018	SE Mechanical (Div. B) Roll No. 1 to 22	Right Tight Fasteners
16/03/2018	SE Computer	Nashik Engineering Cluster, Nashik
16/03/2018	TE Computer	Persistent Systems, Hinjewadi, Pune
16/03/2018	S.E. Production	Central Institute of Plastics Engineering & Technology (CIPET), Aurangabad
17/03/2018	S.E. Electrical	CGL, Ahamadnagar
20/03/2018	T.E. Electrical	Sahyadri Farmers Producers Company Ltd., Nashik
24/03/2018	TE Civil (II Shift)	Water treatment Plant, Tapovan, Nashik
26/03/2018	SE Mechanical (Div. A)	S. T. Workshop, Nashik
26/03/2018	BE Mechanical (Div. A,B,C)	PV solar facility of 8kW Bunglow, Nashik
27/03/2018	TE Mechanical (Div. B) Roll No. 1 to 40	Flywheel & Ring Gear
27/03/2018	TE Mechanical (Div. B) Roll No. 41 to 55	Patnson
27/03/2018	TE Mechanical (Div. B) Roll No. 56 to 71	Metaforge Engg.Pvt.Ltd.
27/03/2018	TE Civil (II Shift)	Horizon Structures near Untwadi., Nashik
27/3/2018	SE E & TC	MyFM, Nashik
28/03/2018	TE Mechanical (Div. A) Roll No. 41 to 55	Patnson
28/03/2018	SE Civil	RMC Plant (Parkside Homes)
28/3/2018	BE Production	NEC, Nashik
28/3/2018	BE Production	Amey Industries, Ambad, Nashik
29/03/2018	TE Civil ( I & II Shift)	R.C.C. Structures Amrutdham, Panchvali, Nashik
31/03/2018	BE Civil	Gangapur Dam, Nashik

**Training & Placement :**

Name of Company	Name of the Dept.	No.of students selected
CSNC , Nashik	Computer Engg.	01
Barclays, Pune	Computer Engg.	01
Paragyte	Computer Engg.	01
Surfmii Promotions Pvt., Ltd.	Computer Engg.	02
	Production Engg.	01
	Electrical Engg.	02
CMS info Solutions	E &TC Engg.	08
Ramkrishna IT	E &TC Engg.	04
	IT	04
Shriram Transport Finance Co. Nashik	Production Engg.	02
	E &TC Engg.	01

**Books Purchased in Central Library : March 2018**

Sr.No.	Name of Dept.	Total No.of Books purchased
01	MBA	20

**Congratulations**



Mrs. (Dr.) V. C. Bagal, Head of M C A Department is honored with 'Outstanding Women in Science' award by Venus International Foundation on

3rd March 2018. She received Certificate, medal and memento in the form of award.

**IET present around The World (PATW) Competition 2018**

Present around the World is the Institution of Engineering and Technology's global competition for Young Professionals and Students within engineering to develop and showcase presentation skills. Students were given 10 minutes for their presentation & 5 minute for Question & Answer round. Electrical Engineering Department organized PATW event 5th time. Total 54 students were from Nashik & 20 students from Ahmednagar. Prof. Mrs. Tanija N. Date & Prof. J. P. Shah are the event coordinator. Judges for Nashik Local Network were Ms. Kanchan Mandanekar, Mr. Gourang Ambulkar, Mr. S. R. Karode. Institute round was held on 24th Feb. 2018. Nashik district round was held on 19th March 2018. Nashik Local Network Round was held on 28th March 2018. Winner: Rahil Mansuri (T.E. Mechanical), he won 150 pound. Runner-up: Ms. Aishwarya Kambale (B.E. Electronics), she won 100 pound. Rahil Mansuri will participate in next round South Asia level. Final PATW 2018 round will be conducted in London, UK. Prize amount for Winner will be 1000 pound & Runner-up will be 500 pound.



Winners of Present around the World Competition



■ **Other Achievements**

- Principal Dr. K. N. Nandurkar was invited as Chief Guest for inauguration of two days workshop on “New Product Developments” at AISSMS College of Engineering Pune on 8th March 2018.

■ **Abstracts of papers presented during Mar. 2018:**

**Durability assessment of slurry infiltrated fiber concrete by using various pozzolanic materials**

A.P. Shelorkar & Dr. P.D. Jadhao

(Published paper in The Indian Concrete Journal, April 2018 Vol 92, No.4, Pages 104)

**Abstract:** This experimental work represents the relationship between mechanical properties and various durability properties. The durability properties such as abrasion resistance, water sorptivity, correlated with the compressive strength of slurry infiltrated fiber concrete. In this research work, fly ash and Metakaolin consider as pozzolanic material as a replacement for cement and its variation from 0 to 10%. Lowered the water sorptivity result shows at the replacement level for 4% fiber with 10 % Metakaolin. The depth of wear obtained in abrasion test is directly proportional to the compressive strength of slurry infiltrated fiber concrete in both fly ash and Metakaolin. R squared values obtained in abrasion test and sorptivity test as 0.9815 and 0.9977.

■ **A Review on Effect of Cryogenic Treatment on Tool Steel**

N. S. Dixit, V. V. Khond & P. K. Kavale

(Published paper in International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES))

**Abstract:** Cryogenic treatment is used nowadays commonly in manufacturing various tools and instrument like forging dies. It is the type of material processing technology. Cryogenic treatment not only affects the surface of the component but it affects whole structure of component. Cryogenic treatment has been recognized that they can reduce the retained austenite and improve the performance of

materials by improving its martensite structure also increase the formation of very small carbides, improving the general mechanical properties of the steels. This paper reviews cryogenic treatments involved in treating tool steel, effect of process parameters and their effect on properties

■ **Modern outline in membrane bioreactor for sewage treatment and industrial wastewater and their adequate growth for ZLD in India**

Prof. Tejmal B. Mahale

(Published paper in International Journal of Engineering Technology Science and Research IJETS-2018 of ISSN 2394 – 3386 Volume 5, Issue 3 March 2018)

**Abstract:** Membrane bioreactors (MBRs) have been actively employed for municipal and industrial wastewater treatments. So far, membrane fouling and the high cost of membranes are main obstacles for wider application of MBRs. Over the past few years, considerable investigations have been performed to understand MBR fouling in detail and to develop high-flux or low-cost membranes. This paper attempted to address the recent and current developments in MBRs on the basis of reported literature in order to provide more detailed information about MBRs. In this paper, sustainable development for ZLD and economic strategies were discussed. Recent developments in membrane materials, membrane modification were reviewed. There are emerging treatment technologies that have come into practice in recent times in other parts of the world, but they have not come into practice in India at large scale. Therefore, the following technologies though these have been randomly tried out so far, need to be investigated and possibly demonstrated/pilot under Indian conditions to arrive at their techno-economic viability.

**Keywords:** Membrane, COD/BOD, MLSS, water reuse.

Prof. Dr. K. N. Nandurkar  
PRINCIPAL

