

# The Institution of Engineers (India)

"99 Years of Relentless Journey Towards Engineering Advancement for Nation Building"

## KOLHAPUR LOCAL CENTRE

Chairman : **Er. (Dr.) P. V. Kadole**

Hon. Secretary: **Er. Manoj N. Chavan**

Volume - 16

**"51<sup>st</sup> ENGINEERS' DAY - 2018"**

**SEPTEMBER 15, 2018**

The Institution of Engineers (India) an ISO 9001: 2008 Certified Organization is a multi disciplinary professional body that encompasses 15 Engineering disciplines and gives engineers a global platform. Established in 1920 by incorporation under the Indian Company Act of 1913. The Institution was granted ROYAL CHARTER on 13th August 1935 having Objects & Purposes: To promote the general advancement of Engineering & Engineering Science and their application.

September 15 is celebrated every year in the country as "Engineers' Day" to commemorate the birthday of the legendary engineer Sir Mokshgundam Visvesvaraya, an eminent Indian engineer and statesman Sir Visvesvaraya was born in a remote village of Karnataka, the State which is now the Hi-tech State of the country. This year the Institution of Engineers (India), Kolhapur Local Centre is Celebrating 51<sup>st</sup> "Engineers Day" on Saturday, 15<sup>th</sup> September 2018.

A theme of national importance is chosen every year by the National Council of the Institution and deliberated at its various State/Local Centre's to educate the society in general & Engineering fraternity in particular and society in particular. This year the National Council of the Institution has selected the theme as **"Digital Transformation : A New Industrial Revolution "** to describe in Marathi - **"डिजिटल परिवर्तन : एक नविन औद्योगिक क्रांती "**.

Our Kolhapur Local Centre is celebrating 51<sup>st</sup> Engineers' Day on Saturday, 15<sup>th</sup> September 2018 at 3.00 P.M. at "Rajarshi Shahu Smarak Bhavan" Dasara Chowk, Kolhapur which is being celebrated jointly with



**WATER RESOURCES  
DEPARTMENT  
KOLHAPUR.**



**PUBLIC WORKS  
DEPARTMENT  
KOLHAPUR.**



**DEPARTMENT OF  
TECHNOLOGY,  
SHIVAJI UNIVERSITY,  
KOLHAPUR.**

**INSTITUTION OF VALUERS,  
KOLHAPUR CHAPTER.**

### The Institution of Engineers (India).

Kolhapur Local Centre includes Geographical area of Kolhapur District, Sangli District and Karad Taluka of Satara District Kolhapur is holy city of Goddess Shree Mahalaxmi & Chhatrapati Rajarshree Shahu Maharaja. It has rich heritage on historical, social, educational, political, industrial & cultural fronts and has given an insight into the growth of the region. Presently the member Strength of Kolhapur Local Centre - As on 31st March 2018 is as given below.

<b>Corporate Members 775</b>	<b>Non Corporate Members - 3579</b>	<b>Total Members - 4342</b>
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### Infrastructure Facilities at Kolhapur Local Centre

The Centre which is functioning since 1983 having office at Sinchan Bhavan Near Kolhapur Irrigation Division (South), Ground Floor, Opp. Dhairyaprasad Hall chowk, Tarabai Park, Kolhapur-416 003. The Working Hours of the Office are 11.00 am to 07.00 pm.

**Library :** About 565 books, periodicals, journals on various engineering subjects are available in Centre's Library.

**AMIE student Information cell:** There is Information cell at the Centre office for the students who want to take admission for AMIE course. The Students can visit the Centre office & get information about AMIE course & Examination. The forms for AMIE examination & IEI Membership are available free of cost at the Centre.

**Theme - 2018**  
**"Digital Transformation:  
A New Industrial Revolution"**  
**" डिजिटल परिवर्तन :  
एक नविन औद्योगिक क्रांती "**



### Bharatratna

**Sir M Visvesvarayya (1860 - 1962)**

Sir M. Visvesvarayya was a notable Indian Engineer, Scholar, Statesman and the Diwan of Mysore during 1912-1918. He was a recipient of The Indian Republic's Highest Honor, "The Bharat Ratna" in 1955.

## From Chairman's Desk ...

*"No one person can shape the life of another. Your success and happiness depends upon your own self"* – Bharat Ratna Sir Mokshgundam Visveswaraya.

Dear Engineers, it is indeed a great honour and unique privilege to present this Annual Bulletin of IEI, Kolhapur Local Centre on the occasion of 51<sup>st</sup> Engineers' day 2018 in the memory of great engineer Sir Mokshgundam Visveswaraya. I thank you for your continued support in various activities carried out by Kolhapur Local Centre.

Engineer's plays vital role in development of India and scope of engineers in India is approximately eighty percent of the business sector, which spans across transport, equipment's, capital goods, other machinery and equipment's need good engineers to man their respective jobs. The Indian Engineering sector has witnessed a remarkable growth over the last few years driven by increased investments in infrastructure and industrial production. The engineering sector, being closely associated with the manufacturing and infrastructure sectors, is of strategic importance to India's economy. Engineering Industry is among India's leading manufacturing sectors. It draws sustenance from India's formidable base of heavy and capital goods industries, a large knowledge pool and competitive cost structures. Our thrust on infrastructure, development and industrial production provide further boost to the sector, creating high demand for products across the engineering spectrum from machinery and automobiles to power equipment, electronics and innovative manufacturing.

There are so many challenges before engineers in India. The engineering challenge would need to work with farmers, agricultural experts, technology developers, energy source providers, Non-Government organization's etc. Creating a sustainable world that provides a safe, secure, healthy, productive, and sustainable life for all peoples should be a priority for the engineering profession. Engineers have a responsibility to meet the basic needs of all humans for water, sanitation, food, health and energy, as well as to protect cultural and natural diversity. Improving the lives of the people whose main concern is staying alive each day is no longer an option; it is an obligation. Educating engineers to become facilitators of sustainable development, appropriate technology, and social and economic changes represents one of the greatest challenges faced by the engineering profession today. Meeting that challenge may provide a unique opportunity for renewing the leadership of the Indian engineering profession as the need of the current situation.

Current Indian growth offers many opportunities for practicing engineers to become involved in engineering education through projects in developing communities around the world. Finally, it provides an innovative way to educate young engineers interested in addressing the problems of developing countries and communities. It is clear that engineers of the twenty-first century are called upon to make critical contributions to peace and security in our increasingly challenged world.

Facing up to challenges and living through them give us the experiences that make up our life. Facing challenges is a way to push ourselves and see what we are capable of. Dear Engineers, you have to believe in yourself, challenge yourself and push yourself until the goal is reached.

**Er. (Dr.) P. V. Kadole**

Chairman

The Institution of Engineers (India),  
Kolhapur Local Centre.



### Chief Guest



**Shri. Pratap Puranik**

Proprietor, Pratap Packaging Products, Kolhapur  
M.D., Minoo Industries Pvt. Ltd., Kolhapur

### Key Note Speaker



**Dr. Amit Andre**

Data Scientist & Sr. Vice President,  
Vinsys IT Services, Pune.



## Secretary Reports ...



Dear fellow engineers, corporate members, members of students, budding engineers. I am very happy to express my warm welcome on the occasion of 51<sup>st</sup> National Engineers' Day.

Immediately after taking charge, our team initiated the activity of coordinating with Shivaji University Kolhapur, Department of Technology, (DOT) Kolhapur, Association of Architects Kolhapur, CREDAI Association Kolhapur, Indian Society of Structural Engineers Kolhapur, D.K.T.E. Society's Textile & Engineering Institute Ichalkaranji, Kolhapur Institute of Technology, Kolhapur, D. Y. Patil College of engineering, Kasaba Bawada. Kolhapur, Pad. D. Y. Patil College of Agricultural engineering & Technology, Talsande, Kolhapur, Sanjay Ghodawat Engineering College Atigre, Sharad Institute of Technology, Ichalkarnji, D.K.T.E. Society's, Yashwantrao Chavan Polytechnic, Ichalkaranji, Padmabhushan Vasantraodada Patil Institute of Technology, Engineering College & Polytechnic Budhgaon, (Sangli), Latthe Polytechnic, Kupawad, M. D. Jadhav Polytechnic, Bhose in Kolhapur & Sangli Region.

In Engineering Colleges faculty members are contacted for students' Chapter and AMIE guidance classes & different technical activities program in various institutes & polytechnics. In this year, number of Fellow member, MIE, AMIE & Chartered Engineers from different division have joined the Kolhapur Local Center. Our Committee members are taking keen interest for making student membership at institutional level. Our local center Committee encouraged the DKTE Society's Textile & Engineering Institute Ichalkaranji to become a lifetime Institutional member.

During the last year, we organized various programmes, lectures, visits to the different organizations. The different topics of the programme were "Status and Prospects of Jaggery Industry in Maharashtra", "Skill Development in Food Processing", "Nature & Yoga", "Structural Audit of building", Admission Process & Career Opportunities in Engineering", "Quality Evaluation Methods for Textile". Our Kolhapur local committee members also visited the DKTE'S Center of Excellence in Nonwovens, MIDC, Hatkangale.

Similarly we have celebrated all the IEI Statutory days viz. "World Energy Conservation Day", "World Water Day", "World Telecommunication & Information Society Day", "World Environment Day", "National Engineer's Day".

This year on Engineers' Day we have invited Dr. Amit Andre, Chief Technical officer, Vinsys, Pune as a key speaker on the theme "Digital Transformation: A New Industrial Revolution" and The Chief Guest is Shri Pratap Puranik, Proprietor, Pratap Packaging Products, Kolhapur.

During the last year, large number of students appeared for AMIE Examination at Pune. The Pune examination center is not convenient for our Kolhapur local Centre students, so we have requested the Chairman Er. Vijay Ghoghare at Maharashtra State Centre Mumbai for starting of Examination Centre at Kolhapur.

The Kolhapur Local Centre has given the proposal to IEI Head quarters of Kolkata for having own office at heart of the city in Kolhapur. This commercial land is convenient to provide all the facility offering to the Fellow members, library, conference hall, Board meeting hall, guest room. The committee members have given valuable support for sending the land proposal to Kolkata.

Recently we initiated the Students' Chapters at Yashwantrao Chavan Polytechnic Ichalkarnji, PVPIT Polytechnic, Budhgaon, Latthe Polytechnic Kupawad, MDJIT Polytechnic Bhose in Sangli Region.

I am very much thankful to our Dr. P. V. Kadole, Chairman and all the committee members for giving me the opportunity, extending trust, support and help in serving as Honorary Secretary of Kolhapur Local center. I expect the same cooperation in next year of my tenure. I am also thankful to Shri. Sambhaji Gurav, Office Assistant and Shri. Anil Narake, Jr. Office Assistant for the help in day to day work, activities, bank work and student's activities in local center office.

This year we have extended office area & installed BSNL Broad Band Internet facility with Wi-Fi network. The Facebook page of Kolhapur local center is used to publish the latest update of our center information on website.

The Center is felicitating the Best Engineers.

I congratulate all the Best Engineers.

Thank you once again

**Er. Manoj N. Chavan**

Hon. Secretary

The Institution of Engineers (India),  
Kolhapur Local Centre.

## Our Event Partners



**Er. (Dr.) J. S. Bagi**

Director,  
Department of Technology,  
Shivaji University, Kolhapur.



**Er. R. M. Sankpal**

Superintending Engineer  
Water Resources Department,  
Kolhapur.



**Er. S. S. Mane**

Superintending Engineer  
Public Works Department,  
Kolhapur.



**Er. Sandipkumar Tare**

Chairman,  
Institution of Valuers,  
Kolhapur Chapter.



**1. 50<sup>th</sup> Engineers' Day Celebration**Date : 15<sup>th</sup> September, 2017**Theme :** "Role of Engineers in a developing India".**Chief Guest :** Shri. Avinash Subhedar, (I.A.S.) Collector, Kolhapur**Venue :** Keshavrao Bhosale Natyagrah, Kolhapur.**2. Annual General Meeting**Date : 29<sup>th</sup> October, 2017

Annual General Meeting of Kolhapur Local Centre was conducted on 29<sup>th</sup> October 2017, at Hotel Pavillionn. Centre Chairman Er. (Dr.) Jaydeep Bagi welcomed all the members and felicitated new Chirman Er. (Dr) P. V. Kadole & new Honorary Secretary Er. Manoj N. Chavan of Kolhapur Local Centre. He briefed about the activity report during the year. Annual Audited report was presented by Hon. Secretary Er. Ajay Deshpande. Meeting was concluded with vote of thanks.

**3. Technical Visit to DKTE Centre of Excellence in Nonwovens**Date- 5<sup>th</sup> December 2017

Committee Members of IEI, Kolhapur Local & Professors of DKTE, at DKTE's Center of Excellence in Nonwovens at Laxmi Industrial Estate, Hatkangale.



Information about DKTE Center of Excellence in Nonwovens was given by Prof. P. G. Jogale to Committee Members of IEI, Kolhapur Local Centre.

Committee Members of The Institution of Engineers (I.) Kolhapur Local Centre visited DKTE Center of Excellence in Nonwovens on 5<sup>th</sup> December 2017. Dr. M. B. Chougule and Prof. R.S. Patil Co-ordinated the visit. Er. Manoj Chavan, Hon. Secretary, Er. (Dr.) J. S. Bagi, Imm. Past Chairman, Dr. M. B. Chougule, Er. N. B. Mate, Er. S. B. Khot and Er. V. G. Sanap Committee Members of Kolhapur Local Centre participated in this technical visit. During visit, facilities for testing and evaluation of products of Non-Woven's segments of technical textiles, Resource Centre, facilities for indigenous development of prototypes, Incubation Centre and other Centers were visited by the committee members. Quality Section incharge Prof. Ingale gave detailed information of all the machineries of COE to committee members of IEI.



**4. Lecture on "STATUS AND PROSPECTS OF JAGGERY INDUSTRY IN MAHARASHTRA"** Date: 9<sup>th</sup> Dec. 2017

Er. G. S. Nevkar & Er. A. B. Deshpande delivering the speech for the Students and faculty members present on the occasion



Students and faculty members of Dr. D. Y. Patil College of Agricultural Engineering & Technology, Talasande attending the lecture.

The IEI, Kolhapur Local Centre organized technical lecture on "Status and Prospects of Jaggery Industry In Maharashtra" in association with Dr. D. Y. Patil Collage of Agricultural Engineering & Technology, Talsande on 9<sup>th</sup> December 2017. Er. G. S. Nevkar, Junior Research Officer, Regional Sugarcane and Jaggery Research Station, Opp. Shahu Market Yard, Kolhapur was the speaker of the programme. Er. A. B. Deshpande, Imm. Past Hon. Secretary, Kolhapur Local Centre was the Chief Guest of this Programme. Er. G. S. Nevkar delivered a speech on Status and Prospects of Jaggery Industry In Maharashtra to present students and faculty members. Er. Ajay B. Deshpande guided the students regarding various activities which can be organized by the Students' Chapter in Agricultural Engineering. It was also attended by Er. Suhas Patil, Er. Amol Gatade, Er. Pravin Ukey, Dr. Shivaji Bachche, faculty members of DYPCAET, and Sahyadri College of Agril. Engineering, Karad participated in the Programme. About 07 Corporate & 132 non corporate members and students attended the programme. Er A. B. Deshpande imm. Past Hon. Secretary co-ordinated the programme.

**5. Celebration of 'Energy Conservation Day'**Date : 4<sup>th</sup> Dec. 2017

Er. (Dr.) P. V. Kadole, Chairman, IEI, KLC delivering inaugural speech & Er. Upendra Deuskar, delivering the speech on "Energy Conservation" for students & faculty members of DKTEs Textile & Engg. Institute, Ichalkaranji.

Energy Conservation Day was celebrated by the IEI, KLC in association with Renewable Energy Club, DKTE Ichalkaranji. This Day is celebrated to highlight the importance of energy consumption and its use in our day-to-day life, its scarcity and its impact on sustainability of global eco systems. It focuses our concentration on significant issues facing the future of mankind with respect to energy. On this occasion a technical lecture on "Energy Conservation" was delivered by renowned speaker Er. Upendra Deuskar, Electrical Consultant, Kolhapur. Er. (Dr.) P. V. Kadole, Chairman, KLC and Director of DKTEs Textile & Engineering Institute, Ichalkaranji welcomed the Students & Faculty Members and Corporate Members. He stressed on the need for Energy Conservation in various sector and elaborated importance of energy conservation and need of saving this national resource. Mr. Deuskar gave detailed information regarding examination pattern to become energy auditor. Dr. M. B. Chougule, Committee Member, IEI, KLC co-ordinated this programme & proposed Vote of thanks.

**6. Celebration of 'World Women's Day'**Date 8<sup>th</sup> March 2018

Speech of 1. Dr. S. U. Awade, Hon. Secretary, DKTE, Ichalkarnji  
2. Mrs. Geetanjali Kamat (CEO, Krishnotech, Hubballi) &  
3. Mrs. Smita P Kulkarani (Dr A.B. Kulkarani & Associates, Sangli)



Gathered women's on the dais for celebration of World Women's Day 2018.

To salute the power of women, The Institution of Engineers India, Kolhapur local centre in association with DKTE society's Textile & Engineering Institute celebrated "Women's Day" at Auditorium Hall of DKTE. Mrs. Geetanjali Kamat (CEO, Krishnotech, Hubballi) motivated the students to become successful entrepreneur. Mrs. Smita P Kulkarani (Dr A.B. Kulkarani & Associates, Sangli) created awareness of use of social media. She guided to invoke the inner strengths of students and also explained regarding women's rights. Hon. Secretary Dr. S. U. Awade guided budding lady engineers regarding how to balance the professional and personal life with values. Director Prof. Dr. P.V. Kadole gave welcome speech and elaborated role of women in building society and nation. Dy. Director (Academics) Prof. Dr. L. S. Admuthé took review of DKTE Progress. Prof. Dr. V. Jayshree explained the motive of conducting this event. More than 325 girl students and Ladies faculty were benefited by this programme. Prof. A. A. Raybagi anchored the event. Dr. M. B. Chougule, Committee Member of Kolhapur Local Centre was the coordinator of this program.



**7. Technical Lecture on “Skill Development in Food Processing”**Date : 9<sup>th</sup> March 2018

Dr. S. S. Thorat, delivered Lecture on Skill Development in Food Processing & dignitaries on the dais.

IEI, Kolhapur Local Centre & Dr. DYPCAET Students Chapter, Talsande arranged a Technical Lecture on “Skill Development in Food Processing” on 9<sup>th</sup> March 2018 at Dr. D. Y. Patil College of Agricultural Engineering & Technology, Talsande. Er. Ajay Deshpande, Imm. Past Hon. Secretary welcomed the dignitaries & student members of IEI Students Chapter. They introduced various activities run through IEI & necessity of skills development among the students. Er. Pravin Ukey, Coordinator and Head, APE, DYPCAET, Talsande introduced the Key Speaker. Dr. P. A. Unde, Ex- Head, APE, MPKV, Rahuri graced the Programme along with the Faculty members and students of the CAET, Talsande. Dr. S. S. Thorat, Head, Food Science & Technology, MPKV Rahuri & professor having specialized skills in food processing and activities involved in various year National Food related Committee on the past 33 years. He delivered a lecture on 'Skill Development in Food Processing' Er. Yogesh Chimate proposed vote of thanks.

**8. Celebration of “World Water Day 2018”**Date : 22<sup>th</sup> March 2018

Celebration of the World Water Day was organized by IEI Kolhapur Local Centre and Dr. D. Y. Patil College of Agricultural Engineering and Technology, Talsande. Dr. Sudhir Bhongale, Editor of 'Rashtrawadi' and 'Krishi Jal' Magazines delivered a Speech on Nature for water theme. Dr. Suhas B. Patil, Principal of DYPCAET welcomed the Dignitaries, students and faculty members on this occasion. Er. Ajay Deshpande, Coordinator of the programme introduced the Key Speaker. Er. A. P. Patil, Head of Agricultural Engineering Section, College of Agriculture, Kolhapur guided the audience as a Chief Guest. The Committee members of IEI Er. Jyoti Jadhav and Er. Pravin Ukey graced the function along with Er. G. S. Nevkar, JRO, RSJRS, Kolhapur. Er. Y. V. Chimate, faculty advisor and student Conveners of the Students' Chapter of IEI helped to organize the programme. Er. Mangal Patil proposed vote of thanks. about 150 students and teachers attended the celebration successfully.



Dr. Sudhir Bhongale, delivering the speech and felicitating by Dr. S. B. Patil, Principal, DYPCAET, Talsande.

**9. Celebration of “World Telecommunication & Information Society Day 2018”**Date : 17<sup>th</sup> May 2018

Speech of Er. Manoj N. Chavan, Guests present on dais

IEI, Kolhapur Local Centre organized Workshop on “World Telecommunication and Information Society Day” on 17<sup>th</sup> May 2018 at Shree Shahu Smarak Bhavan, Dasara Chowk, Kolhapur. Er. Ajay Deshpande, Imm. Past Hon. Secretary, IEI, KLC welcomed all and informed about Kolhapur Local Centre activities. Prof. Uday Nuli, DKTEs Institute of Textile & Engineering, Ichalkaranji delivered speech on “Enabling the positive use of Artificial Intelligence for All” and was focus on the potential of Artificial Intelligence (AI) to accelerate the United Nations' Sustainable Development Goals. Er. (Dr.) M. B. Chougule, IEI, KLC Committee Member, introduced the Chief Guest. On this Programme Er. S. B. Khot, Er. Vishnu Sanap and Er. Jyoti Govekar committee Members of KLC were present. Er. Manoj N. Chavan, Hon. Secretary proposed Vote of thanks. Around 11 Committee and Corporate members attended the programme along with 87 Engineers, BSNL Officers, BSNL Staff and students.

**10. Seminar on “Structural Audit of Buildings”**Date : 24<sup>th</sup> May 2018

Inauguration of Programme by Guests & Committee Members



Speech of Dr. Ravi Ranade & Present Delegates.

The Institution of Engineers (India) Kolhapur Local Centre in collaboration with CREDAI, AAE and ISSE Kolhapur organized one day National technical seminar on the topic “Structural Audit of Buildings”. Managing Director of Diagnostic centre, Pune Er. Ravi Ranade was invited for this seminar. Programme was started with lighting of lamp and garlanding photo of Sir M. Visveswaraya. Chairman of the Institution of Engineers (India) Kolhapur Local Centre Er. (Dr.) P. V. Kadole delivered welcome speech. Er. Ravi Ranade in his four different sessions elaborated regarding structural stability, audit and rules and regulations. Exhibition of equipments used in Structural Audit of Buildings was also organized.

This seminar was co-ordinated by Er. Jayprakash Mane, Committee member IEI Kolhapur Local centre and Co-coordinators were President of CREDAI Kolhapur Er. Mahesh Yadav, President of A.A.E. Kolhapur Ar. Sudhir Raut, and President of I.S.S.E. Kolhapur Er. Prashant Haval. Hon. Secretary of IEI Er. Manoj Chavan, Committee members Dr. M.B. Chougule, Er. Sanjay Khot. Vote of thanks was proposed by Mr. Prashant Haval. For this programme Engineers, Architects, Contractors, Builders, structural designers and students were present from Maharashtra and Karnataka.



**11. Seminar on "Career Opportunities in Engineering & Centralized Admission Process 2018"** Date : 3<sup>rd</sup> June 2018

Guests & Committee Members of IEI,  
Kolhapur Local Centre



Speech of Er. (Dr.) Jaydeep Bagi, Director, DOT,  
Shivaji University, Kolhapur & Er. S. B. Akiwate,  
Training & Placement Officer, DKTE, Ichalkarnji

The Institution of Engineers (I), Kolhapur Local Centre & Department of Technology, Shivaji University, Kolhapur was organized a seminar on "Career Opportunities in Engineering Education and Centralized Admissions Process 2018" on Sunday, 3<sup>rd</sup> June 2018 at 3.00 pm at Keshavrao Bhosale Theatre, Khasbag, Kolhapur.

Dr. Jaydeep Bagi, Director, Department of Technology Shivaji University, Kolhapur guided to HSC passed students regarding Engineering career and information about various Engineering branch. Er. P. D. Ukey, Prof., DYPCAET, Talsande informed about Agricultural Division. Er. S. B. Akiwate, Training & Placement Officer, DKTE, Ichalkarnji informed the Textile Division. Er. P. A. Prabhu, Professor, DOT, Shivaji University, Kolhapur, delivered a lecture on 'Centralize Admission Process 2018' and replied to queries. Dr. P. V. Kadole Chairman of IEI Kolhapur local centre, Hon. Secretary Er. Manoj Chavan, Committee Member Er. Sanjay Khot, Er. Vishnu Sanap, Er. S. S. Ghatage was present for this programme. Er. P. D. Ukey, was Coordinator this programme. Around 9 Corporate Members, 176 Students and parents attended the programme.

**12. National Conference on 'INTERDISCIPLINARY TRENDS IN ENGINEERING AND TECHNOLOGY'** Date : 27<sup>th</sup> Feb. 2016

Felicitation of Guest by giving plant



Tree Plantation at Latthe polytechnic, Sangli.

On this occasion, Kolhapur Local Centre arranged expert lecture of Dr. S. B. Vhanbatte DKTEs Textile and Engineering Institute, Ichalkaranji. He delivered expert lecture on the topic "Beat plastic pollution" at Latthe polytechnic, Sangli. This activity was jointly organized by Institution of Engineers (India) and Latthe polytechnic, Sangli. Dr. S. B. Vhanbatte took the review of various causes and effects of plastic pollution. He suggested many remedies to overcome plastic pollution. Dr. M. B. Chougule explained role of IEI in technical development of institute and individuals. On this occasion, Principal Prof. R. A. Charate, Mr. Manoj Chavan Hon. Secretary of IEI, Er. Sanjay Khot, Committee Member of IEI, KLC, faculties and students were present. Inauguration of new students' chapter was also carried out. Vote of thanks delivered by Er. Manoj Chavan.



Felicitation of Guest by giving plant



Tree Plantation at M.D. Jadhav polytechnic, Bhose.

The Institution of Engineers (India) Kolhapur Local centre jointly organized tree plantation programme with M.D. Jadhav polytechnic, Bhose. Our committee members Er. Manoj Chavan, Dr. M. B. Chougule and Er. Sanjay Khot participated in tree plantation programme. On this occasion M. D. Jadhav polytechnic Chairman, Honorable Er. Kiran Jadhav, Principal Prof. R. G. Patil, Academic Dean Er. Shirish Dakare, Training Placement officer Prof. Sawant, teaching & non-teaching faculty, Students of institutes, and committee members of IEI were present.





Tree Plantation at Mouje Sangav village, Kolhapur.



Tree Plantation at Mouje Sangav village, Kolhapur.

The Institution of Engineers (India), Kolhapur Local centre jointly organized tree plantation programme with DKTE society's Textile and Engineering Institute, Ichalkaranji at Mouje Sangav, Kolhapur. Prof. R.S. Patil, Dr. V. N. Patil and other faculty participated in tree plantation programme. On this occasion Zilla Parishad member Mr. Yuvraj Patil, Sarpanch Mrs. Swati Patil, Mr. Nandkumar Patil, teaching and non-teaching faculty were present.

### 13. All India Seminar on “Quality Evaluation Methods for Textiles”

Date : 27<sup>th</sup> & 28<sup>th</sup> July 2018



Guests & Committee Members of IEI, KLC on the dais & Speech of Mr. Akira Nishihara, Nissenken India, Japan



Present participant of this program.

The All India Seminar entitled “Quality Evaluation Methods of Textiles” which was organized by The Institution of Engineers (India), Kolhapur Local Centre in association with D.K.T.E. Society's Textile and Engineering Institute; Ichalkaranji. This seminar inaugurated by Prof. (Dr.) P. V. Kadole, Chairman, The Institution of Engineers (India), Kolhapur Local Centre & Director of Textile and Engineering Institute Ichalkaranji. Er. Sanjay Khot and Er. M. B. Chougule Committee Member of IEI, Kolhapur Local Centre was presented on Inaugural function. In his inaugural speech, Prof. Kadole had given brief introduction of the Institution of Engineers and its activities. Further, he stressed the need of quality evaluation of the textiles and the certifications.

In 1<sup>st</sup> day morning session, Mr. Akira Nishihara and Ms. Yuko Fukui introduced about the Nissenken India, Japan and its activities. Mr. Varun Gaud, Technical Director, Nissenken India Ltd. dominated the bulk of the session. He mainly talked about the standards of textile evaluation, OekoTex, which is mainly concerned with the safety requirements and test protocols of different standards. In the evening session, he guided the people about SEK Mark. SEK Mark is certificate of functional finished textile products such as antimicrobial processing methods and process of deodorant testing. Mr. Aniket Bhute, Assistant Director, and DKTES Centre of Excellence in Nonwovens dominated the second day of seminar. He covered the whole gamut of Testing of nonwoven textiles according to end uses. Mr. B. Puroshottama, Member the Institution of Engineers, expressed his concluding remarks in the end of program. For this seminar Engineers around 43 (Delegates) were present from Maharashtra and Karnataka.

### 14. Two Days National Workshop on “Structural Audit, Retrofitting and NDT on Concrete Structures”

Date : 4<sup>th</sup> & 5<sup>th</sup> September 2018



Inaugural Speech of Mr. Gopal Rai, &amp; Er. (Dr.) P. V. Kadole, Chairman of IEI, KLC



Present participant of this program.

Department of Civil Engineering, KIT, College of Engineering (Autonomous), Kolhapur in collaboration with IEI, KLC organized two days national workshop on the topic “Structural Audit, Retrofitting and NDT on Concrete Structures”. The resource persons Dr. Gopal Rai, CEO, Dharendra Group of company (DGC) Mumbai, Prof. K. G. Hiraskar and Prof. S. V. Lipare, Associate Professors, KITCOE, Kolhapur were invited for this workshop. For the inaugural function Mr. Sunil Kulkarni, Vice –President KITCOE, Mr. Dipak Chougule, Secretary, KITCOE, Er. (Dr.) P. V. Kadole, Hon. Chairman, IEI, KLC, Dr. V. V. Karjinni, Director, KITCOE, Prof. M. A. Chavan, Head of Civil Department and Prof. S. G. Sawant, workshop co-ordinator, faculty members and participants were present. Chair person Er. (Dr.) P. V. Kadole stressed the significance of this workshop in current scenario in his address to the participants. Dr. Gopal Rai elaborated need of structural audit and explained various state-of-the art retrofitting techniques through different case studies. Prof. K. G. Hiraskar and Prof. S. V. Lipare demonstrated various NDT instruments and provided hands on training for the same. This national workshop was co-ordinated by Prof. S. G. Sawant & Vote of thanks was given by Prof. A. D. Patil.



### Incumbency Chart Chairman & Honorary Secretaries

Sr. No.	Tenure	Chairman	Hon. Secretary
1	1985-1988	Late Er. R. S. Beri	Er. S. H. Kulkarni
2	1988-1991	Late Er. A. N. Suryavanshi	Er. S. H. Kulkarni
3	1991-1993	Late Er. R. S. Keskar	Er. A. D. Desai
4	1993-1995	Er. S. H. Kulkarni	Er. S. G. Bhatwadekar
5	1995-1997	Er. B. S. Shimpukade	Er. S. G. Bhatwadekar
6	1997-1999	Er. U. V. Panditrao	Er. A. D. Desai
7	1999-2001	Er. R. B. Kasetwar	Er. A. D. Desai
8	2001-2003	Er. Dilip Mohite	Er. N. B. Shinde
9	2003-2005	Er. N. B. Mate	Er. S. M. Khatkale
10	2005-2007	Er. S. M. Phadtare	Er. V. V. Diwan
11	2007-2009	Late Er. R. B. Adnaik	Er. S. M. Bhosale
12	2009-2011	Er. D. R. Jadhav	Er. P. M. Adnaik
13	2011-2013	Er. A. B. Parvte patil	Er. B. G. Mahajan
14	2013-2015	Dr. G. S. Kulkarni	Er. I. A. Kadam
15	2015-2017	Er.(Dr) J. S. Bagi	Er. A. B. Deshpande
16	2017-2019	Er.(Dr) P. V. Kadole	Er. M. N. Chavan

### Division wise break up of Membership as on 31.08.2018

Division	FIE	MIE	AMIE	TOTAL
Agricultural	0	4	5	9
Chemical	0	2	1	3
Civil	32	198	182	412
Computer	1	6	17	24
Electrical	4	19	31	54
Environment	3	3	5	11
Electronics & Telecomm	6	21	26	53
Mechanical	29	78	75	182
Material & Metallurgy	0	6	0	6
Production	2	7	8	17
Architecture	1	2	0	3
Aerospace	1	0	0	1
Textile	5	0	3	8
Grand total	82	345	348	783

#### Panel of Project Guide :

The panel of Project Guide in different engineering disciplines for guiding the students appearing in 'section B' examination is being updated. Corporate members preferably academicians engaged in teaching profession may submit their bio-data to IEI, Kolhapur Local Centre office mentioning the membership grade, Membership no., Address, Qualification, Present Occupation, Experience Telephone, Mobile no. & Email address.

## Revision in Membership fees w.e.f. 1st July 2018 (Inlc 18% GST)

Membership	Amount Rs.	Transfer of Membership	Amount Rs.	Membership	Amount Rs.
FIE	12920/-	AMIE to FIE	10738/-	SMIE	1500/-
MIE	4897/-	MIE to FIE	10620/-	MTIE	4012/-
AMIE	4189/-	AMIE to MIE	2006/-	AMTIE	3481/-
Chartered Engineer	8850/-	Upgraded Chartered Engineer ertificate	2360/-	ST/T	8280/-

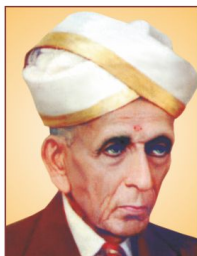
## What Can IEI Do for You

- ❖ Continuous professional development through regular professional programmes in India & abroad.
- ❖ Opportunities to update professional knowledge through trainings conducted by IEI's Engineering Staff College of India Hyderabad.
- ❖ A chance to participate in inter- disciplinary activities in the fields of Development, Sustainable Development, Water Management, Quality, Safety and Research & Development.
- ❖ Rights & privileges of being a Chartered Engineer.
- ❖ Participation opportunities in National & International Seminars, Meets, Conferences and other activities.
- ❖ Accommodation a nearly 40 IEI Retiring Rooms all over the country.

## How IEI Strengthens Your Voice

- ❖ Speak on behalf of engineering profession locally, nationally, globally.
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- ❖ Coordinates major National & International activities.
- ❖ Sponsors programmes to foster wider interest in engineering profession amongst non engineers.
- ❖ Publishes a large number of widely disseminated technical journals.



51<sup>st</sup> Engineers Day**THEME: “Digital Transformation: A New Industrial Revolution”**

Industries around the world are now facing substantial challenges due to recent environmental, societal, economic and technological developments regarding disruptive concepts of Internet of Things, Cyber Physical Systems or Cloud based Manufacturing, which lead to the fourth stage of industrial revolution. Increased digitization which waves out traditional and conventional production concepts including mass production, batch production, continuous process flow and project is the need of the hour. The first industrial revolution utilised water and steam power for mechanizing production. During second industrial revolution, application of power was more with the objective to obtain mass production. During third industrial revolution, industrial automation was introduced, which involved vast application of Electronics and Information Technology. The fourth industrial revolution, termed as Industry 4.0 is empowered by wide range of digital technology not only in digital realm, which involves artificial intelligence, machine learning, advanced robotics and new formation of automation, but also in physical realm including new materials like graphene, genetic advances as well as biological realm which involves sensors, Internet of Things, Block Chain and Distributed Ledgers, 3D Printing, autonomous vehicles like drones, so on and so forth.

Thus Industry 4.0 is focussed on creating intelligent products, processes and procedures that leads to ubiquitous connectivity of people, things and machines. The vision of Industry 4.0 is likely to be adopted worldwide and it might influence other initiatives and cooperative efforts. In general, there are nine key technological components that progressively make up the foundation of Industry 4.0: Autonomous robots, big data, augmented reality (AR), additive manufacturing, cloud computing, cyber security, IoT, system integration, and simulation.

On a digital platform, Industry 4.0 is applied with three mutually interconnected factors, namely

- ▶ Digitization and integration of any simple to complex technical - commercial relation,
- ▶ Digitization of products and service offers and
- ▶ New market models

All these human activities are interconnected through state of the art communication system, which include Internet of Things, Internet of Services and Internet of People.

There are three principal approaches in Industrial 4.0 concept, namely horizontal integration, vertical integration and integrated digital engineering. Horizontal integration refers to integration of different information systems, applied principally for production planning and process control. Vertical integration refers to integration of information at different hierarchical levels, which allows preventive actions to avoid any defect. Integrated digital engineering enables the collection and exchange of production data throughout the entire chain involved in product development and leads to reduction of large amount of production data accumulated throughout the life cycle.

According to India Brand Equity Foundation (IBEF), Government of India has set an ambitious target of increasing the contribution of manufacturing output to 25 percent of Gross Domestic Product (GDP) by 2025, from 16 percent currently. IoT, being one of the most important aspects of Industry 4.0 for India, is expected to capture close to 20 percent share in global IoT market in the next five years. According to IBEF forecast, the IoT market in India is projected to grow at a CAGR of more than 28 percent during 2015-2020. Government of India has taken initiatives such as Green Corridors and 'Make in India'. The Institution of Engineers (India) being the apex body of engineers in India is committed for holistic development of the country and believe that Digital Transformation will usher a new Industrial Revolution.

**“Best Engineer Awardees - 2018”**

Dr. Amol C. Adamuthe



Dr. Sanjay H. Sawant



Er. Upendra G. Deuskar



Er. Vijay R. Patil



Dr. Jayant. S. Ghatge

Er. Balkrishana. S.  
Shimpukade

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