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NEWSLETTER

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The Institution of Engineers (India)

97 YEARS OF RELENTLESS JOURNEY TOWARDS ENGINEERING ADVANCEMENT FOR NATION BUILDING"

Dr. Girish Mundada, FIE, Chairman
Er. Avinash Nighojkar, MIE, Hon. Secretary

PUNE LOCAL CENTRE

Editor -Er. VN Shinde, MIE

FROM THE SECRETARY'S DESK



Dear Engineers,

Warm greetings to you all.

At the outset, I wish you all a very Happy New Year!

I have taken over as Hon. Secretary on 30th November 2016. I thank Members of the outgoing Committee for giving me the opportunity to serve as Hon. Secretary for the session 2016-18. I request your full support to achieve our target to become the Best Local Centre and regain the glory of the past.

It is said that 'Numbers is Strength' for any organization. So, I request all our Members to enroll more Engineers in IEI. Also we need to contact nearby Engineering Colleges & Polytechnics and persuade them to become Institutional Members of IE (I). We will have to put in special efforts to open additional students' chapters in Engineering Colleges.

Our activities/ programmes are announced well in advance through Monthly News Letters & through Local News Papers. All our Members are requested to participate in our programmes/ seminars in large numbers and make the events a success.

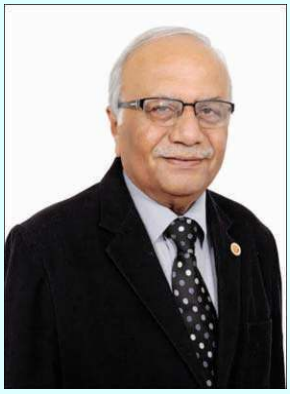
Thanking you,

Er. Avinash K. Nighojkar

Hon. Secretary

Mr N B Vasoya – the New President of IEI*

***reproduced from Epitome - December 2016 of HQ**



Mr Navinchandra B Vasoya, FIE, has been elected as the President of The Institution of Engineers (India) for the Session 2016-2017, during the 691st Council Meeting of the Institution hosted by the Uttarakhand State Centre on September 24, 2016 at Haridwar.

Mr Navinchandra B Vasoya graduated in Chemical Engineering from Gujarat University. Mr Vasoya ventured into the business of manufacturing edible oil, de-oiled cake, solvent refined oil and managed the solvent extraction plant along with the refinery and oil mill including export of de-oiled cake and HPS kernel. He also established two manufacturing units for dyes and intermediates. He was also engaged in preparation of end-to-end project reports for various manufacturing units. As a Managing Director of a company involved in consultancy, project management, industrial and engineering projects, construction of public infrastructure projects, industrial estate development etc, Mr Vasoya delivered projects of national importance. He is a dynamic, result-driven leader with proven record in growth & customer development and also a Professional Engineer having diversified rich experience and expertise in Purchase, Sales & Marketing, Business Development, High Value Project Execution, Team Development, Mentoring & Coaching, Industrial Management, Marketing Management, Construction Management, Lead Generation, Forming Strategic Alliances, Financial & Operational Management and Compliances.

Mr Navin Vasoya is associated with and has been serving The Institution of Engineers (India) for more than two decades in various capacities. He was elected as Honorary Secretary for Session 2000-2002 and as Chairman, Gujarat State Centre, IEI for the Session 2002-2004. He was Vice-President of IEI during Session 2011-12. During his long association and involvement in the activities of IEI, he has served as the Chairman, Chemical Engineering Division Board during various Sessions. He led the delegation of IEI to attend IEA Convention at Sydney, Australia in 2012. He is Member of the Executive Committee of Federation of Engineering Institutions of South and Central Asia (FEISCA) and also FEISCA Representative to the World Federation of Engineering Organization (WFEO). Mr Vasoya is a Member of the Technical Standing Committee on "Information and Communication (WFEO - CIC)" for the term 2016-2019.

Mr Vasoya is also the Fellow of International Council of Consultants, Fellow of Indian Institution of Technical Arbitrators, Life Member of Indian Society of Technical Education, Member of Gujarat Chamber of Commerce & Industries and Member of Indo American Chamber of Commerce.

He has presented various papers at National and International Seminars and has widely travelled on various professional assignments countries like United Stated of America, United Kingdom, Germany, Belgium, France, Switzerland, Canada, Australia, China, Indonesia, Singapore, Malaysia, Thailand, Kenya, Nepal, Bangladesh, Sri Lanka, etc.

Mr Navinchadra B Vasoya assumed office as the President at the Ninety-seventh Annual General Meeting of the Institution held at Kolkata on December 18, 2016.

CONGRATULATIONS

Er. R.V. Saraf, for being elected from Environmental Division, Maharashtra State Centre.
He is also Committee Member of Pune Local Centre.

NEWS IN BRIEF

31ST Indian Engineering Congress was held on 16th – 18th December 2016 at J W Marriot Hotel in Kolkata, Theme was Smart technologies for Natural Resource Conservation & Sustainable Development.

The Chief Guest for Inaugural Function was His Excellency, Shri. K. N. Tripathi, Governor of West Bengal and Hon. S. Chattopadhyay, Minister, Power & Renewable Energy Dept. of Govt. of West Bengal was Guest of Honour. It was a Grand function witnessed by 750+ audience in the "Sangam" Hall of JWM.

From Pune Local Centre, Dr. G. S. Mundada, Chairman, Dr. D. J. Doke, Past Chairman, Er. V. N. Shinde, Imm. Past Hon. Secretary and Prof. R. V. Saraf, Member (EN) PLC attended the Congress.

During the congress, Prof. R. V. Saraf presented a paper titled "Challenges Due to Change in Land Use and Rain Fall Pattern for Storm Water Collection, Treatment & Disposal".

Dr. D. J. Doke chaired one Technical Session when 6 papers were presented in Electrical topics.

Dr. Mundada & Er. Shinde congratulated in person and offered a bouquet of flowers to Shri. N. B. Vasoya, the new President of IE (I) at the AGM on 18th Dec. 2016.

This Congress was hosted by The West Bengal State Centre of IEI.



THE MAGNIFICIENT DIGITAL BACKDROP AT THE CONGRESS DIAS

ROUND TABLE MEETING - *JAL SHIVAR YOJANA* FOR PERI-URBAN AREAS PLATFORM

First Round Table meeting was held on 15th Nov 2016 in Kale Hall of Abhiyanta Bhavan of The Institution of Engineers, Pune. Experts from the field, students and faculties from Engineering & Science colleges actively participated. Er. R. V. Saraf & Dr. Mangesh Kashyap presented the Concept of Need of Application of Jalshivar Yojana for urbanized areas. Er Saraf said that the "identified urbanized areas" will be Peri Urban areas, expanding Nagar Panchayat & Nagar Parishad & townships around Municipal Corporations. It is agreed by all that there is need of conservation, preservation, protection and development of new water resources for urban and semi urban areas where Water consumption increases with rise in Quality of life. Mission of Platform is defined as Exploring the possibilities of application of Jalshivar Yojna for Urbanized area to make it self sufficient for water availability. The members will come together to study, develop and prepare the master plan for this. Er. Saraf said that this group has total experience of 24 years with Science and Engineering back ground. A bar chart for activities is prepared as given below

Nov. 2016 - Round table discussion
Dec. 2016 - short presentation (PPT)
Jan. 2017 - workshop
Feb. 2017- Case study
Mar. 2017 - Review
April 2017- again round table discussion
May 2017 - prepare documents for final work
June 2017 - National conference

Mr. Bhujbal, Mrs. Rokade, Mr. Raut, Mr Desai, Miss Ghag, Mr. Deshmukh, Mr Desai, Mr. Munot & others gave their views on various dimensions of the Topic. It was decided to meet in the Last week of December. Dr. Kashyap summarized the discussion and thanked everyone especially The Institution of Engineers, PLC for initiating this Platform.

Proposed Library Building At Pune Local Centre of
The Institution of Engineers (India)



Proposed Library Building At Pune Local Centre of
The Institution of Engineers (India)



"APPEAL--PLEASE DONATE GENEROUSLY FOR THE BUILDING FUND."

Lecture on Robotics and Recent Trends in Robotic Science by Prof.(Dr.) Shantipal S. Ohol, Associate Professor, College of Engineering, Pune

The lecture on this unique topic was organized by The institution of Engineers (India) in Association with Marathi Vidnyan Parishad, Pune on 20th December 2016 in Firodia auditorium of Pune Local Centre, IEI. Er Saraf – Convenor, welcomed the Audience and the Speaker, Dr. Ohol.

He presented memento to Dr. Ohol on behalf of PLC IEI. Mr. Sanjay M K presented the books on behalf of MaViPa. Dr. Ohol began his lecture with definition of Artificial Intelligence. He said this is base of Robotic Technology. Robot can do the tasks which are difficult for human being exclusively in harsh and unsafe Environment. This has opened new avenues for the academics, jobs & entrepreneurship. Robots are of many types from simple to Android. Robots looking similar to man with response to voice are developed. It is necessary to make the programs for robots not to harm Human beings,Plants and Animals. Robots will be used in future as one of the war fare to avoid loss to the human life. He showed a Demo of the three robots. Students and audience took great interest in working of Robots brought by Dr. Ohol.

Mr. Vinay R R proposed vote of Thanks.



रोबोट तंत्रज्ञानामुळे क्रांती घडेल : डॉ. शांतिपाल ओहोळ

माणसांसाठी अवघड असलेली कामे रोबोट सहज करू शकतात. त्यातील अचूकता आणि न थकता काम करण्याची त्याची क्षमता यामुळे उद्योग, आरोग्य आणि इतर अनेक क्षेत्रात रोबोटचा वापर अतिशय उपयुक्त आहे. येत्या काळात रोबो तंत्रज्ञात झपाट्याने विकसित होत असून, रोजगाराच्या अनेक संधीही त्यामुळे उपलब्ध होऊ शकतील," असे मत शासकीय अभियांत्रिकी महाविद्यालयातील सहयोगी प्राध्यापक डॉ. शांतीपाल ओहोळ यांनी व्यक्त केले.

मराठी विज्ञान परिषद पुणे विभाग आणि इन्स्टिट्यूट ऑफ इंजिनीअर्स यांच्या वतीने 'रोबोटिक्स अँड रोबो विज्ञानातील प्रवाह' या विषयावर आयोजित व्याख्यानात ते बोलत होते. याप्रसंगी मराठी विज्ञान परिषदेचे कार्याध्यक्ष यशवंत घारपुरे, इन्स्टिट्यूट ऑफ इंजिनीअर्सचे राजेंद्र सराफ उपस्थित होते. यावेळी रोबोटिक्सची काही प्रात्यक्षिकेही दाखविण्यात आली. ते पाहताना उपस्थित विद्यार्थी आणि इतर सर्वच हरखून गेले.

डॉ. शांतीपाल ओहोळ म्हणाले, "रोबोटीक्स तंत्रज्ञान परदेशात मोठ्या प्रमाणात वापरले जात आहे. जपानसह इतर युरोपीय देशांत मानवी आकाराचे रोबोट आहेत. उद्योग, आरोग्य, मनोरंजन क्षेत्रात रोबोटचा वापर वाढत आहे. संरक्षणासाठीही सीमेवर अशा प्रकारचे रोबोट वापरले जाऊ लागले आहेत. काही रोबोटमध्ये

आर्टीफिसिअल इंटेलिजन्स तंत्रामुळे स्वतः निर्णय घेण्याची क्षमता असलेले रोबोटदेखील येत आहेत."

राजेंद्र सराफ यांनी प्रास्ताविक केले. एसएसपीएमएस शाळेतील विद्यार्थ्यांनी रोबोटची प्रात्यक्षिके पाहण्याचा आनंद लुटला.

Above newsclip is reproduced from the media.

REPORT OF THE MEETING HELD ON 8TH DEC. 2016 AT EXTN. CENTRE OF PLC AT PCMC.

At the outset Er. Anil Kelkar briefed the audience about activities of The Extension Centre being conducted since 2008.Er. Sudarshan Tandale MIE welcomed the Members and briefed about the objective of the "Pawana River Clean Up Project" taken up jointly with the Technical Staff of PCMC. Er. Tandale, MIE, Coordinator further mentioned that, Jaldindi was successfully carried out, in the year 2008 jointly with the President, Dr. Vishwas Yeole and other members of Jaldindi Pratishthan, Pune. The objective of Jaldindi was 'Positive Health, Environment and Spirituality'. The villagers & other establishments started to participate in prevention of pollution of Pawana River. The level of quality of River Water getting deteriorated day by day reaching up to Raavet Bandhara. The 'head-works' located at Left Bank of the Pawana River lifts about 450 Mld for treating at WTP located at Sector 23 of PCNT.

On briefing about the meeting held on 13th October 2016, Er. Tandale mentioned that invitees from NGOs, Educational Institutes, Industries-Experts etc. attended in large number. It was decided to take up the village Godumbre for development as a Pilot Village.

Er. Rajeev G. Bhavsar & Er. Tushar Shinde took the intiative and proposed a visit to the village and arrange for Phased Activities, in consultation with the Village Panchayat Authorities. The role of representative of the IE(I) PLC will be supporting the 'Technical Proposals'.

Dr. Abhay Kulkarni, FIE directed the representatives of NGOs regarding management of the proposals. Lion Vijay Sood & Er. Firke also participated in the discussions. Prof. Bhushan Kalantre from D Y Patil College of Engineering presented his case study of Panch-Ganga River Kolhapur. Er. Meshram and Shri. Mapuskar Ulhas from Dehu Gaon agreed to submit a comprehensive proposal for the village in consultation with Er. Pravin Ladkat, Executive Engineer, PCMC.

Er. Sudarshan Tandale declared that hence forth Er. Rajiv G. Bhavsar MIE and GM., Wilo, Akurdi will officiate as coordinator of the activities of Extn. Centre of IE(I) PLC.

The meeting concluded with a vote of thanks by Er. Anil Kelkar.

- ***Compiled by Er. S. V. Tandale***

GLIMPSES OF FOUNDATION DAY -2016

















FORTHCOMING PROGRAMMES

Day & Date	Time	Programme	Convener
07/01/2017 Saturday	5.30 pm.	3rd Prof. Sandeep Memorial Lecture on "Effect of Polymerization on Water & Environment" by DR. Prakash Wadgaonkar, Chief Scientist National Chemical laboratory Pune .	Organized by Dr. Mangesh Kashyap, Director, SEERAM Er R. V. Saraf coordinator for PLC
17/01/2017 Tuesday	6.30 pm.	Lecture on "Science of Flight: Lecture cum demonstration" by Madhav Khare, jointly with Marathi Vidnyan Parishad	Er. V. N. Shinde Er. Anil Kelkar coordinators for PLC
24/01/2017 Tuesday	5.00 pm.	Round Table Meeting of "जलयुक्त शिवार अभियान" for Peri-Urban areas Platform – Project Presentation	Er R. V. Saraf Dr. Mangesh Kashyap, SEERAM

Other Events / Activities.

1) Vidyut Suraksha Manch – Every Second Saturday – 6.30 pm. at PLC
2) Energy and Water Resource Group – Every Tuesday 5.30 pm. at PLC
3) Lecture in association with मराठी विज्ञान परीषद - Every third Tuesday – 6.30 pm. at PLC
4) Infrastructure interaction – Every Fourth Tuesday 5.30 pm.
5) PCMC extension centre meeting - Every second Thursday – 6.00 pm. at Water Works (near Appughar)

Transtech'17

is organized by Tolani Maritime Institute in association with The Institution of Engineers (India), Pune Local Centre & The Institute of Marine Engineers (India), Pune Branch from 02nd - 04th March 2017.

Transtech presents a common platform for engineering students to present technical papers on varied topics of interest. Transtech is really a professional oriented gathering and a new educational experience.
The theme of the seminar is **Contribution of Transport Sector towards "Make in India"** with following sub themes:

Development of Port & its Socio Economic Effects on Hinterland
Road map for Startups to Support Transport Industry
Sagar Mala Projects
Human Resource- Training, Education & Skill Development
ICT (Information & Communication Technology) innovations for Transport sector
Optimization of Space, Time & Economy in Transportation
Challenges in Design and Manufacturing

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