



The Institution of Engineers (India)
(ESTABLISHED IN 1920 INCORPORATED BY ROYAL CHARTER IN
1935)

PUNE LOCAL CENTRE

ABHIYANTA BHAVAN, 13/32 Shivajinagar, J M Road, Pune- 411005.

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Annual Report
Year 2017-2018

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The Institution of Engineers (India)
PUNE LOCAL CENTRE
Committee 2016-2018

NAME	DIVISION	DESIGNATION
Prof. Dr.G.S.Mundada	ET	Chairman
Er.A. K. Nighojkar	MC	Hon. Secretary (from 1 Nov 2016 to 2 Feb.2018) and Invitee (from 28 th Feb 2018)
Prof. Araddhana A. Deshmukh	CP	Hon. Secretary (from 3 Feb. 2018)
Er. V.S. Ghogare	CV	I.P. Chairman
Er. V. N. Shinde	CV	I. P. Hon. Secretary
Er. V. D.Pandarkar	AG	Member
Er.Rakesh Firodiya	AR	Member
Prof. K.K.Ghosh	AS	Member
Prof. Dr.P.M.Deshpande	CH	Member
Prof. Araddhana A. Deshmukh	CP	Member
Prof. Dr. Sushma. S. Kulkarni	CV	Member
Prof. Veena A. Gore	CV	Member
Er.Dhairiyashil Khaire Patil	CV	Member
Prof. Dr.Y. P. Nerkar	EL	Member
Er.N. S.Parandkar	EL	Member
Er.R.G.Holani	EN	Member
Prof. Dr.G.S.Mundada	ET	Member
Prof. R. R.Desai	MC	Member
Prof.A.D.Khare	MC	Member
Er.Vikas Apte	MC	Member
Er.H. K. Devkate	MM	Member
Er.M.W.Raoot	MN	Member
Prof. Dr.B.K.Saxena	MR	Member
Prof.W. G. Kharche	PR	Member
Er.S.L.Thorat	TX	Member
Er.M.B.Dagaonkar	CV	Council Member- Maharashtra State
Er. V.S. Ghogare	CV	Chairman, MSC
Dr.H. M.Raje	CV	Hon. Secretary, MSC
Er.R.V. Saraf	EN	Member, MSC
Prof. Dr.G.S.Mundada	ET	Member, MSC
Er. Shubhangi Chiplonkar	ET	Invitee
Er. Rajiv Bhavsar	MC	Invitee, PCMC Extn. Centre



The Institution of Engineers (India)
PUNE LOCAL CENTRE
Notice of the Annual General Meeting
(For Corporate Members of IEI PLC Only)

The Annual General Meeting of Corporate Members of The Institution of Engineers (India) Pune Local Centre will be held on **Friday 30th November 2018 at 6.30 pm** at The Institution of Engineers (India) Pune Local Centre, **Abhiyanta Bhavan, 1332 Shivajinagar J.M. Road Pune – 411 005.**

All the Corporate Members of the Pune Local Centre are requested to attend.

Agenda

1. To confirm the minutes of the last Annual General Meeting held on Saturday, 28th October 2017
2. To receive the Annual Report of Pune Local Centre for the year 2017-2018
3. To receive the Audited Accounts for the year ending 31st March 2018
4. To appoint the Auditors for the Year 2018-2019 and fix their remuneration
5. To announce the composition of Committee for the Session 2018-2020
6. Installation of incoming Chairman & Hon. Secretary of IEI- PLC.
7. Vote of thanks.

Place : Pune
Date : 10/11/2018

Prof. A. A. Deshmukh
Hon. Secretary

Notes:

Audited Accounts will be available for perusal of Corporate Members (FIE/MIE/AMIE) up to 26th November 2018 at the office during 1500 to 2000 hrs. except Sundays & Holidays.

Corporate Members (FIE/MIE/AMIE) who desire to seek any information or ask questions are requested to inform the same in writing or E-mail (punelc@ieindia.org) to Hon. Secretary so as to reach the office on or before working hours of 26th November 2018.

The Corporate Members present shall form the Quorum for the Annual General Meeting as per Regulation No. 6(e) of the Council of IE (I).

➤ **Draft Minutes of last AGM**

Minutes of the last Annual General Meeting of Corporate Members of The Institution of Engineers (India), Pune Local Centre held on 28th October 2017 at 7.00 pm at The Institution's premises 1332, Shivajinagar, J.M. Road, Pune – 411 005.

Er A. K. Nighojkar Hon. Secretary welcomed the Corporate Members present & requested Dr. G. S. Mundada Chairman to chair the meeting.

- Before taking up the Agenda of the AGM Hon. Secretary Er A K Nighojkar requested the house to observe two minutes' silence in memory of the deceased members of Pune Local Centre. The house rose & observed silence to pay homage to the deceased members.
- Chairman Dr. Mundada welcomed the members, called the meeting to order and requested Hon. Secretary to proceed with the agenda.

1. To confirm the minutes of AGM held on 30th November 2016

The minutes circulated were deliberated and confirmed unanimously.

The resolution to confirm the minutes was proposed by Er. M N Toke and seconded by Er. V R Bankar.

2. To receive the Annual Report of the Activities of Pune Local Centre for the year 2016-2017

The Annual report for 2016-17 was received unanimously after a brief discussion. The resolution to receive & accept the report was proposed by Er. Rakesh Firodiya and seconded by Er. Vikas Apte.

3. To receive the Audited Accounts for the year ending 31st March 2017.

- The Annual Audited Accounts for the year 2016-2017 as circulated were accepted unanimously.
- The resolution to receive & accept the Audited Accounts was proposed by Prof. R V Saraf and seconded by Er. Veena Gore.

4. To appoint the Auditors for the year 2017-2018 and to fix their remuneration.

- A panel of chartered accountants recommended by PLC Committee was presented to AGM for consideration.
- While appointing the Auditors for 2017-18; the AGM selected M/s Kotwal & Co. and resolved as follows:-
Resolved that M/s. Kotwal & Co. be appointed as Auditors for the year 2017-2018 on remuneration of Rs. 15000/- + Service Tax.
The resolution to appoint Auditors was proposed by Dr. P M Deshpande and seconded by Prof A D Khare.

5. Vote of thanks.

Vote of thanks was presented by Hon Secretary Er. A K Nighojkar

Sd/-
Er. AK Nighojkar
Hon. Secretary

Sd/-
Dr. G S Mundada
Chairman.

Pune 14th Nov. 2017

PART – A

Functioning of PLC

1. CONSTITUTIONAL:

- 1.1 Corporate Membership-AMIE/MIE/FIE** of Centre increased from 5220 to 5644, as on 31st March 2018.
- 1.2 Non Corporate Membership-ST/T** increased from 26244 to 26740, as on 31st March 2018.
- 1.3 Non Corporate Membership (newly introduced grades by HQ)**
-AMTIE 02, MTIE 04, SMIE 13, as on 31st March 2018.
- 1.4 Institutional Membership**
There are 12 Institutional Members attached to Pune Local Centre of IEI.
- 1.5 Other Subcommittees:** The Centre has “Finance Sub Committee” consisting of Chairman, Hon. Secretary and Two committee members. Apart from this there is one administration Subcommittee consisting of the Hon. Secretary and two committee Members. These subcommittees deal with financial and administrative matters and recommends actions to the PLC committee. Library Subcommittee deals with the matters regarding library and recently (June 2017) has installed digital library at PLC.
- 1.6 PLC Committee Meetings:** During the report year 2017 -18, 13 Meetings were held. The average attendance was 12. All the routine affairs and technical activities were dealt by the committee with the support of the finance, admin & library Subcommittees.
- Annual General Meeting:** The last AGM of the Centre was held on 28th October 2017 and transacted the business as mentioned in this report.

2. ACTIVITIES:

Thereport of activities of Pune Local Centre for the year 2017–18 is as follows:-

2.1 Technical Activities :

A summary of the Technical Activities from April 2017 to March 2018 are shown in tabular entry later in this report. The reports are normally made available on IEI PLC website.

Few reports are reproduced in **Annexure – I** for information.

2.2 Developmental Activities :

Infrastructure: It was decided to provide guest room-facility at Pune Local Centre by modifying existing available rooms like seminar halls.

2.3 Library :

- Two PCs and one printer along with computer table, chair set, one glass bookcase was purchased
- Books and periodicals worth Rs 79,555/- have been added. The total number books are 11225 as on 31st March 2018
- DIGITAL LIBRARY was inaugurated at the hands of Hon. Past President, IEI, Dr. Murali Krishna Reddy on 9th June 2017

3 **FINANCIAL:**

The auditor's report, balance sheet as on 31st March 2018, income-expenditure account for the year ending on 31st March 2018 is given in Annexure – II.

4 **GROUPS and CELLS**

- Water Resource Group meets every Tuesday at PLC. Several members participate in discussions and plan activities accordingly.
- **Women's Cell: This is a very active cell of PLC. 3 programmes were organized by this cell.**

5. **ACTIVITIES RELATED TO STUDENTS**

- AMIE/GATE/IES/BEE refresher classes, subject to availability of students, are regularly conducted.
- Reading hall is available.
- Flag hoisting was arranged on 15th August 2017 on the occasion of Independence Day & 26th Jan 2018 on the occasion of Republic Day.

6. **COMMUNICATION WITH MEMBERS:**

a. Website:

The Centre has a website www.ieipune.org. It is updated regularly. The invitations of all programmes and notices etc. are uploaded.

b. E-mail Facilities:

Members are also communicated using Email services about activities.

c. News Letter:

The News Letter is in 4 colors in the form of soft copy. Same is **uploaded on Pune Centre website www.ieipune.org.**

7. **TECHNICIANS'/ STUDENTS' CHAPTER:**

There are 31 Students chapters attached to Pune Local Centre of IEI.

8 **AMIE EXAMINATIONS:**

The Centre conducted AMIE Exams of Section A & B, Summer & Winter 2017 examinations as per guidelines of IEI HQ. The seating arrangements were made available at 2 Venues.

ACKNOWLEDGEMENT

The Committee of the Centre sincerely thanks the Engineering Professionals Organizations and Institutions for their excellent support & co-operation.

Our special thanks to BOS for conducting the 'Elections' for the sessions 2018-20.

The Committee is also grateful to the Maharashtra State Centre (MSC) & HQ Kolkata for their continued support help & guidance.

The Committee wishes to place on record its sincere appreciation for sustained & dedicated efforts put in by the members, non-members, well-wishers, employees event sponsors, suppliers, internal & Statutory Auditors for the successful functioning of the Centre.

Summary of Activities between April 2017 and March 2018

National Level Activities			
Sr.No	Date	Description	Convener
1	9 th &10 th September 2017	33rd National Convention of Chemical Engineers	Dr.P.M.Deshpande
2	3 rd & 4 th November 2017	All India Workshop on- “Salient Features of New Seismic Codes IS 1893 & IS 13920-2016” held at RIT-Islampur, Dist-Sangli	Dr.Sushma Kulkarni
3	8 th -10 th March 2018	TRANSTECH 2018 Organised jointly with Tolani Maritime Institute, Induri, Pune	Dr. B. K. Saxena
Statutory/ Designated Days			
Sr.No	Date	Description of Day	Convener
1	18/04/2017	Water Resource Day Chief Guest : Dr. M.K.Sinha Mr.Sunil Kumar	Er. R. V.Saraf
2	17/05/2017	World Telecommunication and Information Society Day In association with- IEEE IETE & IET. Theme : ICT Entrepreneurship for Social Impact. Chief Guest:-Prof.G.S.Mani Dr.S.P.Metkar	Dr. G.S.Mundada
3	18/06/2017	World Environment Day 2017 Theme:-“Connecting People to Nature” Chief Guest:-Dr.Mahesh Shindikar Mr.Jayant Deshpande	Er R. V.Saraf
4	13/08/2017	Technology Day Digital Painting For Designers & Artists	Er.V.N.Shinde
5	15/09/2017	50th Engineers’ Day in association with IWWA Pune Theme- Role of Engineers in the Developing India Chief Guest Er. Pravin Kide -Chief Engineer PWD Keynote Speaker:-Prof.Rabinder Henry Director, Pralhad Chhabriya Research Centre Pune	Prof. A A Deshmukh Er.V.N.Shinde
6	14/10/2017	World Standards Day Chief Guest :Er.Mangesh Surve Er.V.G.Patil	Er.H.K.Devkate Er.Parandkar
7	05/03/2018	National Safety Day. Speakers : Mr. Anand Tikone, Director ANTECH Microsystems Pvt.Ltd; Pune Er.Promod DasputeConsultant Enery Management systems Pvt.Ltd; Mumbai. Er. Amod Damle Director. Erbaceo Zekenman Pvt.Ltd;Pune	Prof.D.B.Dhone Er.H.K.Devkate

8	10/03/2018	<p align="center">World Women's Day Chief Guest : Major Sonali Kadam Speakers- Er.Udayan Kanade Ms.Soma Chattopadhyay Er.Devika Ghaisas</p>	<p align="center">Prof.Rujuta R.Desai Er. Shubhangi Chiplonkar</p>
9	22/03/2018	<p align="center">World Water Day Jointly with IWWA, GSD, MJP, SEERM etc. Theme : Nature for Water Chief Guest: Dr.Mrs.V.V.Bhosekar Er.S.N.Garande Dr.Anshul Gujrathi Dr.M.Kashyap</p>	<p align="center">ErR.V.Saraf</p>
Exclusive PLC Event			
1	01/09/2017	<p align="center">Late Prof. M V Deshpande Memorial Lecture. Chief Guest : Er.Megha Deshpande</p>	<p align="center">Dr. Y.P.Nerkar</p>
2	7 th &8 th Oct. 2017	<p align="center">Annual Technical Paper Meet Theme:-Role of Engineers in the Development of Smart cities in India.</p>	<p align="center">Dr. Y.P.Nerkar Dr.D J Doke, Prof. A A Deshmukh Dr. P M Deshpande Prof. V A Gore</p>
3	04/11/2017	<p align="center">4th B G Walimbe Memorial Lecture Topic :Water Management & Governance in Maharashtra State Chief Guest : Er.Chetan Pandit Guest of Honor:-Er.Pradeep Purandare.</p>	<p align="center">Er.V.N.Shinde</p>
4	30/11/2017	<p align="center">59th Foundation Day & Golden Jubilee Memorial Lecture. Chief Guest : Er.Bharat Rajkumar Agarwal. President Vishwakarma University Wg. Cdr. Shalak Gandhi (Retd) Deputy Director MCCIA Pune</p>	<p align="center">Prof.K.K.Ghosh Prof.A.A.Deshmukh</p>
5	24/01/2018	<p align="center">Diamond Jubilee Year 2018 -Event No. 1, Curtain Raiser Chief Guest : Padmashri Arun Firodiya Key Note Speaker : Shri Rajendra Jagtap , CEO Smart City, Pune</p>	<p align="center">Er. V.N.Shinde</p>
6	24/02/2018	<p align="center">Diamond Jubilee Year 2018- Event No. 2 Jointly with IIBE Pune Centre Book release titled "BRIDGE CONSTRUCTION MADE EASY" Authored by- Mr. P G Pagnis Chief Guest-Er. V B Gadgil Ex.MD & CEO L & T Hyderabad Metro Pvt. Ltd. And Lecture on State of art RMC plant in Wagholi by -Mr. Abhijit Lunkad, Birla Shakti, Pune.</p>	<p align="center">Er. V.N.Shinde</p>
7	17/03/2018	<p align="center">Diamond Jubilee Year 2018 Event No.3 Round Table discussion on " Inter State River Disputes and Awards of the Tribunals " Guests-Shri. Chetan Pandit Former Member CWC, Shri. Shrikant Huddar Former Secretary, Govt. of Maharashtra and Dr. D M More Former Secretary, Govt. of Maharashtra</p>	<p align="center">Er. V.N.Shinde</p>

Women's Cell Programme			
1	27/04/2017	Presentation on 'e BAJA' & m-BAJA, by award winning team of Sinhgad College of Engineering Pune	Er. R.R.Desai Er. Shubhangi Chiplonkar
2	08/06/2017	Lecture on Gateway to Create Wealth by Dr. Bharati Dole	Er. Veena Gore
3	10/03/2018	Workshop on Skill Development	Er. Shubhangi Chiplonkar Er. R. R. Desai Er Veena Gore
Programmes Related to Students			
1	06/07/2017	Introductory Meeting for AMIE Section A& B Refresher Course.	Er.H.K.Devkate
2	08/07/2017	GATE Introductory Meeting	Prof.K.K.Ghosh Prof. A A Deshmukh
3	15/12/2017	AMIE Introductory Meeting.	Er.H.K.Devkate
Programmes at PCMC Extension Centre			
1	13/04/ 2017	Lecture by Bilwa Deo renowned Architect & Town planner on topic Dhobi Ghat concept for villages.	Er.S.V.Tandale Er.Rajeev Bhavsar
2	11/05/ 2017	Follow up of Pawana Cleanup Program. Pawana River Clean Up program has got the momentum. More than 20 NGO along with Local Governing Bodies are working together. Memembrs of Extension centre is providing the Technical back up.	Er.S.V.Tandale Er.Bhavsar
Programmes Jointly with Marathi Vidnyan Parishad			
1	16/05/ 2017	Sub- Relevance of 5-S for Science to Industry By- Mr.C.K.Bulakh	Er .R.V.Saraf
2	20/06/2017	Followup programme of celebration of World Environment day at IEI PLC along with Marathi Vidnyan Parishad and SEERAM	Er.R.V.Saraf
3	11/07/2017	Lecture on Polymer Supported Nano Particles By-Dr.Yogesh Patil	Er.R.V.Saraf
4	18/07/2017	पर्यावरणाबाबतच्या कायदेशीरपत्रता Speaker-Adv. D.T. Devale	ErR.V.Saraf
5	08/08/2017	Workshop and poster competition on 'Save Energy'	ErR.V.Saraf

6	22/08/2017	बदलतयापयवरणकरतानागरिकांचीजबाबदारी Dr. Nandini Deshmukh	Er.R. V.Saraf
7	19/09/2017	नदाधरणतलावपनेजीवनकरणयातयंलमानावाचाउपयोग Speaker- Aseem Bhalerao	ErR. V.Saraf
8	24/10/2017	शेतातीलऔदा Speaker-Manohar Khake	Er.R. V.Saraf
9	26/12/2017	A Talk on – “तंत्रवैज्ञानिकलेखन” was delivered by Dr. Ingale jointly with MVP.	Er.R. V.Saraf
10	16/1/2018	आपतीवयव:थापनजोखीमजाणूनघया Speaker:- Architecture Sujata Kodag	Er.R. V.Saraf
11	20/02/2018	मानवीव:तीआणि:माट सिटी Speaker:- Dr.Gujrathi	Er.R. V.Saraf
Miscellaneous Programmes			
1	11/05/ 2017	Bhopal Gas Disaster – An Inside Story’. Mr. Paranjpye	Er. V.N.Shinde
2	15/05/2017	Lecture Topic – Nanobiomaterial and applications Dr. Joytika Rajwade Senior Scientist at Agharkar Research Institute, Pune and researcher in Bio-nanomaterial Development and applications.	Dr. P. M. Deshpande
3	30/05/ 2017	Workshop on Protection & Preservation of Water Resources. Follow up program for Water Resource Day	Er R. V.Saraf
4	17/08/2017	Cyber Awareness by Dr. Decosta	Er. V.N.Shinde
5	18th – 20th August 2017	3-DAYS State Level Workshop On “Development Of Mechatronics System Using Arduino” (DMSA –2017) (A Project Based Learning Approach)	Dr.G.S.Mundada
6	29/08/2017	Water Mission Programme-Panel Discussion on protection of water resources.	Er.R. V.Saraf
7	13/09/2017	Topic - Fascinating Metro Projects Of India Speaker Er. Vinay Gupta, President IIBE	Er. V.N.Shinde
8	09/12/2017	Lecture on “Mass Rapid Transit System” jointly with IIBE & ICI Pune Chief Guest- Er. V B Gadgil	Er.V.N.Shinde
9	08 th to 10 th March 2018	TRANSTECH -18 at Tolani Maritime Institute Induri Talegaon Dabhade, Pune	Dr.B.K.Saxsena

Annexure - I

Activities of 2017- 18.

Water Resources Day

Water Resource Day was celebrated on 18th April 2017 in Firodiya hall of institution of Engineering. It was celebrated in association with JalSampada Pune Central Water and Power Research Station Pune National Water Academy Pune Groundwater Surveys & Development Agency Indian Water Resource Society Pune Indian Water Works Association Pune Centre Society for Environment Education Research and Management (*SEERAM*) Marathi Vidnyan Parishad Pune. All the dignitaries performed JalPoojan by offering flowers to Jalkumbha. Dr. Girish Mundada Chairman of IEI PLC welcomed the dignitaries and the guests. In his welcome address he highlighted the proposed activities of PLC. He further said that PLC is always in forefront to tackle the current issues. Er. Rajendrakumar Saraf Convener of program spoke about the theme “ClimateChange – Water Resources – Protectionpreservation and Mitigation”. He said that the reality of Climate Change is being debated amongst the scientific community. Water availability is likely to reduce to 1401 m³ and 1191 m³ by the years of 2025 and 2050 respectively. There is conflict on the right & priority to be given for irrigation Urbanization & Industrialization. A challenge ahead is to ensure water and food security at a same time. There is need of protection presentation and mitigation of water resource to counteract Climate Change. Dr. Suresh Gore of Marathi Vidnyan Parishad introduced Dr. N. K. Sinha Director CWPRS and Er. T. M. Munde Chief Er. Jalsampada. Mr. D. B. Panse Hon Secretary of Indian Water Works Association welcomed on behalf of IWWA & introduced Dr. Vijay Pakhmode Sr. Scientist GSDA and Dr. Sunil Kumar from National Water Academy. Girish Mundada felicitated the dignitaries.

Er. T. M. Munde initiated the panel discussion by making very informative presentation on Water scenario. He has taken a brief review of water availability and the water uses. He said Maharashtra is having basin of Tapi Mahanadi Godavari Krishna Narmada and Kokan is served by South flowing river. Out of 12 months rainfalls only for 4 months and out of 4 months the rain fall is only for 40 days. Out of 960 hrs we get rain only for 96 hours. It means 4 days rainfall satisfies the demand of water for whole year. Maharashtra has highest number of dams i.e. 1845 dams out of 5192 dams in India. He said that Jalsampada is supplying drinking water to 2/3 of population of Maharashtra. Challenge ahead is stop the pollution of Mula & Mutha Rivers that finally pollute Ujani Dam due to discharge of sewage from Pune & Pimpri Chinchwad. Sewage must be treated and made available for irrigation at downstream.

Dr. N. K. Sinha spoke on water resources and climate change. He said water is vital resource and most important for development and economic growth. He has taken a review of availability of water in India and complexities and challenges ahead. He has discussed analysis framework on crop and food system. Water sector reforms objectives are Policy and Governance Equitable and Efficient He appealed IEI to take up the activities for Water sector reforms including Capacity building.

Dr. Sunil Kumar Director National Water Academy made presentation on a very unique topic Climate Smart Irrigation in Indian Subcontinent. He has taken a review of Impact of Climate Change on Irrigation. He said there is Climate smart irrigation needs Smart irrigation technique Improved & efficient agriculture methods and Smart management options.

Dr. Pakhmode briefly presented the activities carried by GSDA. He said the entire Maharashtra State is mapped for ground water availability & quality. This is the major tasks done for ground water exploration.

Er. R. C. Mahulkar Co-convener took the review of all the presentation and open the panel discussion. The audience has raised their doubts by asking the questions & given their comments and suggestions. Er. R. V. Saraf instead of proposing vote of thanks he said that we all will Meet Again to prepare Action Plan on ClimateChange – Water Resources –Protection preservation and Mitigation in detail.

Presentation of e-BAJA and m-BAJA

Women Engineers Cell of The Institution of Engineers (India) Pune Local Centre invited Team Kraftwagen from Sinhgad College of Engineering to share their experience under Make in India initiative. “Team Kraftwagen” bagged two prizes 1st in e-BAJA and 5th in m-BAJA category. BAJA SAE India is an Annual National Event for undergraduate Engineering students to build & present an off road; All-Terrain Single seated Vehicle ATV. This is 10th Edition (Year

2016-2017) of the event organized by Indian chapter of Society of Automotive Engineers (SAE International). 485 teams from 185 institutes participated in 1st phase of Virtual evaluation. Out of them 185 ATVs driven by IC engines participated in 2nd and final phase of m-BAJA and 35 driven by electric motor participated in e-BAJA.

Er. Veena Gore welcomed the guests and Team Kraftwagen and gave an account of IEI PLC and Women Engineers Cell activities. Er. Shubhangi Chiplonkar introduced the team members & speakers. Er. Vasant Shinde Immediate Past Secretary felicitated the guests.

Mr. Ajinkya Belsare and Mr. Siddhesh Nampurkar presented ATV m-BAJA christened as “Legacy”. They unfolded evolution “Legacy”. The first version Legacy 1.0 participated in year 2012-2013. They highlighted improvements done every year since then and feature of current version - LEGACY V. Efforts taken by teams resulted in achieving 2nd place in Virtual round 3rd place in Endurance Test and 4th place in Design Evaluation; with overall 5th rank. Their performance earned for them a chance to participate at international BAJA in June 2017 at Chicago; they are working hard for preparation of ATV for the same.

Mr. Mohanish Ranade Mr. Shubham Patel and Mr. Shreyas Dhimate presented “Enigma” an electrically powered ATV. This was first year of participation. They bagged 1st place in Cost Estimate Maneuverability and Endurance and got the top slot i.e. overall 1st place. This was followed by an interesting Question & Answer session. Audience appreciated the work done by students and gave them a big applause. Er. Veena Gore proposed vote of thanks. The program was convened by Er Veena Gore and Er. Shubhangi Chiplonkar.

World Telecommunication & Information Society Day

It was celebrated jointly by The Institution of Engineers (India) Pune Local Centre Institute of Electrical and Electronics (IEEE) Pune Section Institution of Electronics and Telecommunication Engineers (IETE) Pune Centre and Institution of Engineering and Technology (IET) Pune Chapter on Wednesday 17 May 2017 at the premises of Institution of Engineers (India) Pune Local Centre. The ICT theme for the year was “**Big Data for Big Impact**”. Prof. Dr. G. S. Mundada Chairman IEI PLC & Convener welcomed the gathering & introduced IEI and activities at PLC. He said that there is need to bring together all alike institutions and technical societies collaborate and march ahead with the implementation of the suggestions emerging out of day celebrations. Prof. Dr. G.S. Mani Chairman IEEE Pune Section briefed about the activities of IEEE. Er. G.K. Dawara Chairman IETE Pune Centre talked about the activities of IETE. On behalf of Dr. Metkar Chairman IET Pune Prof. Rajesh Khade Treasurer narrated the activities of IET. Mr. Kishore Shende Secretary IETE Pune Chapter read the message of ITU Secretary General Houlin Zhao and introduced the theme “Big Data for Big Impact” to the house. Prof. Kaustubh Sakhare Secretary IET Pune Chapter introduced Guest of Honor Dr. Sandeep Deshmukh Big Data Hadoop Apache Apex Trainer and Consultant. Rajshree Jain Secretary IEEE Pune Section introduced Chief Guest Er. D. C. Dwivedi PGM BSNL. Chief Guest was felicitated by Dr. Mundada and Er. Dawara whereas the Guest of Honor by Dr. Mani and Prof. Sakhare by offering bouquet and memento.

Guest of honor Dr. Sandeep Deshmukh Big Data Hadoop Apache Apex Trainer and Consultant delivered Theme address with his rich knowledge & experience. He presented the happenings in future due to advancement of communication technology. If you are going to mall to purchase monthly requirements during car parking a message will be received on the dash board that gives all information with comparative prices of all items (in the list) from different makes / manufacturers along with location of product in the mall. This will save the time & toil need for searching. You will be welcome in the restaurant with your favorite drink. When you are settling down on your sofa & sipping your coffee TV in your home automatically switches over to your favorite News/ Sports channel. He affirmatively said that all these can happen in near future. There was a time when companies were struggling hard to find customer-preferences so that they could fine tune their products for better customer satisfaction. With the advent of Social Media Data scientists got busy in analyzing the blogs and twitters to find the preferences of common man. Analysis of such data can help to improve business marketing strategy because the needs of the customer are better understood. Also business can then find ways to effectively anticipate and address those needs. However with the

social media outburst there is increasing 'flood of data' leading to information overload. It is reported that the world's volume of data doubles every 18 months. Some experts have predicted that enterprise data in all forms will grow 650 percent over the next five years. This data comes from various sources – Social media News feeds Emails Instant Messages RSS feeds Spreadsheets customer Databases on-line portals Friend contact lists etc. Real challenging task ahead is extracting intelligence out of the enormous quantity of data coming from different types of sources. Those who master the task of analyzing this big data with Artificial Intelligence and Machine Learning techniques will rule the next IT wave. The Chief Guest Er. D. C. Dwivedi PGM BSNL gave background of the growth of telecommunications in our country and outlined the role of BSNL and other players in this process of rapid and vast development. He emphasized the role of telecoms in the economic growth and looked forward for a bright future for the country in this field. The large gathering in the hall actively participated in Question Answer Session. This has given opportunity to interact with the expert in the field. Dr. Jain Secretary IEEE proposed Vote of Thank. High tea at the end of the program further added to the networking amongst the enthusiastic participants with the guests. The program concluded with opening of many opportunities for the budding engineers.

State Level Workshop On “Development Of Mechatronics System Using Arduino”(DMSA –2017)

The department of E&TC Engineering PICT-Pune in association with The Institution of Engineers (India), Pune Local Centre and Institution of Engineering and Technology (IET) Pune Network did organize the state level workshop on Mechatronics at PICT Pune. The workshop received an encouraging response from faculty across state from engineering and non-engineering streams and students interested.

The workshop was inaugurated by Chief Guest Mr. Shekhar Kamble GM (HR) TCS alongwith Dr. P T Kulkarni Principal PICT, Dr. Y Ravinder HoD PICT and Convener Dr. G S Mundada Chairman IE(I) PLC.

The workshop had 8 demo sessions 1 Current Trends in Mechatronics delivered by Manav Giri - Hriday Ranjan (Technical Lead-TCS) 2 Mechatronics Design Process by Dr. G S Mundada 3 Machine Vision by Prof. Ms. Turuk 4 Mechatronics in Automobiles by Mr. Mulay ARAI 5 Hydraulic & Pneumatic Systems by Prof Aranke 6 Recent developments wrt AI in Mechatronics by Dr. Ms. Munot 7 Mechatronics in Robotics by Mr. Awadh Singh Director Finex Equipments 8 Transducer Design by Prof. M. Khurjekar Vice-Chair IEEE Pune Section

2 sessions on Arduino Programming Concepts and hands on by Prof Shridhar Dudam and Prof. Zakee Ahmed. 6 Projects built for Level Measurement Flow measurement DAQ System Position Control using Servomechanism Displacement-Velocity Measurement and Weight Measurement using Load Cells.

A case demo of Bottle Filling Plant and Coin Counter. Various kinds of sensors were also put on display. The projects were demonstrated by Prof Sunil Khot Prof Dudam Prof Lalit Patil Prof. Amruta Dixit Mr Gajanan Kirwale and Mr Rupesh Pawar (Faculty and Technical Assistant of PICT Pune). Mr. Nitin Patil looked after Food and High Tea arrangements.

The workshop concluded by valedictory function that was attended by Dr. Y Ravinder Prof. Mandar Khurjekar Dr. G S Mundada for certificate distribution to participants resource persons and coordinators. 4 Participants shared willingly their feedback on workshop namely Prof. Dr. Patil from Science College Pachora (Jalgaon) Prof. Mulla from RIT-Islampur Prof. Mehendale from TMI Induri and Prof. Dhanvijay from COEP. Participants expressed happiness over the contents of workshop and felt its uniqueness because of relevant sessions from Industry-academia synchronized with hands on sessions Live Demos Components display Programming modules and Project building. Thus project based learning has given a momentum and dimensions to implement the things from scratch to end to see the conception of idea in reality.

In enthusiasm of being together for this workshop the participants have expressed desire to form a Mechatronics community and interact through this platform to solve doubts-difficulties and arrange such events at various location to benefit all who are interested in this interdisciplinary subject Mechatronics.

Prof M.V.Deshpande Memorial Lecture

Professor M.V.Deshpande Memorial Lecture was organized at Firodiya Hall of the Institution of Engineers (I) Pune Local Center on Friday 1st September 2017. Er.Medha Deshpande the Director and Business Unit Head in Yardi Software Pvt.Ltd an American Multinational Company delivered Professor M. V. Deshpande Memorial Lecture. She talked about Energy Sustainability. She had shared her experience in the field of mergers and acquisitions services product development quality assurance and customer support. Importance of social commitments and values was presented by her. This program was attended by delegates from industries academics and engineering colleges. Dr. D. J. Doke Past Chairman the Institution of Engineers (I) Pune Local Center welcomed the gathering and also remembered his experience with Professor M. V. Deshpande. He felicitated Er. Medha Deshpande on behalf of the Institution of Engineers (I) Pune Local Centre. Dr. Y. P. Nerkar Convener of Professor M. V. Deshpande Memorial Lecture briefed the contribution of Professor M. V. Deshpande in academics and industries in India and abroad. He introduced Er. Medha Deshpande and also proposed the vote of thanks. Ms. Sharanya Nayak topper of third year Electrical Engineering program and Mr.Ankush Nankade topper of final year B.Tech program in Electrical Engineering from College of Engineering Pune were felicitated and honoured by offering prizes at the hands of Er. Medha Deshpande.

33rd National Convention of Chemical Engineers

Dr. R R Sonde Executive V P, RTIC, Thermax India Ltd. delivered the state of the art lecture on Sustainable Technology Development.

Dr. Jayesh Bellare Prof. Chemical Engineering, IIT Bombay delivered the lecture on Acharya Prafulla Ray Memorial Lecture on Development of Nano-technology & its Application in various fields such as Nano- medicine, Nano-biotechnology, etc.

Five technical session were conducted during the Seminar. First Session was Chaired by Dr. Ratnadeep Joshi. Theme of session was 'Mineral & Material Processing'. There was an Invited talk by Dr. R. Bhima Rao followed by two technical papers. Second Session was Chaired by Er. Rajendra Saraf. Theme of session was 'Nano- Bio- Materials'. Invited talk was given by Dr. Jyutika Rajwade followed by four technical papers.

This was followed by Panel Discussion chaired by Prof. D B Dhone. Panel Members were Mr. Sheetal Wattenkar (Industrialist), Mr. Shinde, Joint Secretary. AISSMS Society. More than 35 delegates participated and they discussed various aspects of Chemical Engineering along with social engineering addressing social problems.

Third Session was Chaired by Dr. Jyutika Rajwade Theme of session was 'Nano ceramic materials & its application'. There was an Invited talk by Dr. R. Bharat Kale followed by four technical papers.

Fourth Session was Chaired by Prof. Bhavana Vyas. Theme of session was 'Nano-technology Applications - I'. In this session, there was an Invited talk by Mr. Y H Gharpure followed by two technical papers.

Fifth Session was Chaired by Prof. Rashmi Deshpande. Theme of session was 'Nano-technology Applications - II'. In this session two technical papers were presented

The event concluded with the Valedictory Function. Chaired by the Dr. P M Deshpande (Convener), Er. A K Nighojkar (Hon. Secretary, PLC) and Dr. Girish Mundada (Chairman, PLC). Certificates of participation were distributed to all the participants. Vote of thanks was proposed by Dr. P M Deshpande Convener.

50th Engineers Day

The 50th Engineers' Day was celebrated on 15th September 2017 by Pune Local Centre of IE[I] jointly with Indian Water Works Association Pune Centre.

Er. Pravin Kide Chief Engineer PWD-Pune Region graced the occasion as Chief Guest & Prof Rabinder Henry of I²IT Hinjevadi Pune-was Keynote speaker. The celebration began with invocation by Convener Er. V. N. Shinde. Er Avinash Nighojkar Hon. Secretary PLC welcomed the dignitaries and the audience. He introduced the activities of PLC Theme – Role of Engineers in Developing India & life sketch of Sir Visvesvaraya.. The celebration of Engineers day began with switching-on the decorative Led-lights on the attractively garlanded new portrait of Bharat Ratna Sir M Visvesvaraya by the hands of dignitaries on Dias. The Chief guest Er Kide was introduced by Dr. Kamalakant Wadelkar Editor of well-known magazine-Abhiyantamitra & Prof. Henry was introduced by Er. D. B. Dhone Past Hon. Secretary PLC. Er Kide & Prof Henry were felicitated with bouquets by Er. A. G. Deshmukh & memento by Er. A. K. Nighojkar. presented a gorgeous Memento to each of the honorable guests. Prof. R. Henry delivered Keynote address on the theme **Role Of Engineers In Developing India**. Prof. Henry began with the slide showing the famous quote of Dr. APJ Kalam - "One must Dream before a Dream is Realized". He explained the terms Developing and Developed. According to him problem faced by India is due to education system that produces Literate English Speaking Skilled Labourers. There is need to provide freedom for Younger Minds (of Engineers) to Dream and Imagine. He concluded with remark that unless indigenous technology is developed and invented within India it will remain Developing Country for next coming centuries.”

Er. Kide said that city state and even a country is called as developed or good on the yard stick of good quality net work of Roads. Roads inter connecting cities and states are constructed by the Civil Engineers. Roads in hilly terrain for Military are constructed by Border Roads organization.

Er. V. N Shinde summed up the proceedings of the event and proposed Vote of Thanks.

The program was attended by invitees several past Office bearers & Members of IE-I-PLC Members of IWWA-Pune employees & Officers of PWD and general public.

On 50th Engineers Day the building was decorated with flowers & illuminated with lights.

59th Foundation Day

Pune Local Centre celebrated its 59th Foundation Day on 30th November 2017. Er. Bharat Rajkumar Agarwal , President Vishwakarma University Pune graced the occasion as Chief Guest while Wg.Cd. Shalak. Gandhi (retd) Deputy Director General Mahratta Chamber of Commerce Industries & Agriculture (MCCIA) Pune was the speaker for 10th Golden Jubilee Memorial Lecture At the outset Dr. Girish Mundada Chairman Pune Local Centre welcomed the guest and audience and took a brief review of development of Pune Local Centre its activities highlighting contributions of the past office bearers. Prof K K Ghosh introduced the Chief Guest and Prof . Ms. Araddhana Deshmukh gave the introduction of Wg. Cdr. (retd) Shalak Gandhi. Dr. Girish Mundada felicitated both the Guest Wg. Cdr. Shalak Gandhi delivered the 10th Golden Jubilee Memorial Lecture on the topic “Micro-Small and Medium Enterprises (MSMEs) and their Role in India”. He presented the status of MSMEs and their critical role in the economy by providing employment to a large number of unskilled and semi-skilled people contributing to exports raising manufacturing sector production and extending support to bigger industries by supplying raw material basic goods finished parts and components etc. He also briefed about MCCIA Pune and its contribution towards promotion of R&D activities in around Pune region. Er. Bharat Agarwal in his address upon the importance of interdisciplinary engineering and urged budding engineers to learn new skills for becoming good engineering professional. He also emphasized the need of digital content and urged IEI to take initiative and play a major role in development of E-content. Dr. Y.P. Nerkar presented the detailed report of Annual Technical Paper Meet held on 7th & 8th October 2017. The 40th Annual Technical Journal was released by the Chief

Guest and other Dignitaries on this occasion. Dr Nerkar also announced the winners of Best Paper Award in various Engg Divisions of Annual Technical Paper Meet. Er .Vijay Ghogare et al. (Civil Engg)Er.Vishnu Bankar (Mech Engg)Er.Urmila S Patil et al.(E&TC and Computer Engg) and Anupama Singhet al.(Electrical Engg)received the Best paper award.During the function various Annual Prizes were also given at the hands of Guest. Dr. Girish Mundada felicitated past Chairmen and Hon.Secretaries of the Centre. Prof Ghosh proposed the vote of thanks.Programme was attended by Corporate members faculty members and Students of various Engg Colleges and Engg professionals from industries.Prof. K K Ghosh and Prof (Ms) Araddhana Deshmukh were the Conveners of the programme.

Workshop on “Salient Features of New Seismic Codes IS. 1893 and IS. 13920-2016”

An All India Workshop on “Salient Features of New Seismic Codes IS 1893 and IS 13920-2016” was organized by the Centre at Rajarambapu Institute of Technology, Rajaramnagar during 03-04 Nov. 2017.

Dr. R.K. Ingle, VNIT Nagpur graced the occasion as Chief Guest and Dr. O. R. Jaiswal, from VNIT, Nagpur was Guest of Honor

The workshop was inaugurated by the Dr. R.K. Ingle. In his address, he suggested to follow the current codal provisions immediately in construction practice. Dr. O. R. Jaiswal also spoke on the occasion. Er Veena Gore ,Committee Member, Civil Div. presided over the inaugural session. While speaking on the occasion, Mrs. Veena Gore shared the functioning of the Centre and conveyed best wishes to the host Centre. Dr. P.S. Patil, Coordinator of this workshop, welcomed the august gathering and briefed about the workshop and provided the gathering with a virtual feel of the two-day event. Dr. Mrs. Sushma S. Kulkarni, Convenor & Director of RIT Rajaramnagar, welcomed the participants and shared best practices at RIT. Dr. P.D. Kumbhar, Coordinator & Head Department of Civil Engineering introduced about department of civil engineering. Prof. A.S. Thorbole proposed vote of thanks.

During the workshop, six technical sessions were conducted. In First technical session ,

Dr. O.R. Jaiswal, VNIT Nagpur delivered the key note address on 'Provisions of IS 1893 of 2016'.In his presentation, he gave the overview of Earthquake engineering and revised earthquake zone and discussed load combinations to be considered while designing structures.

In Second Technical Session, Dr. R. K. Ingle, Professor, VNIT Nagpur presented 'Provisions of IS 13920 of 2016', He elaborated ductile detailing of connections/structural members and shear walls. He also explained minimum member sizes to be considered in structural design.

In third Session, a panel discussion on 'Salient Features of New Seismic Codes IS 1893 and IS 13920-2016' was conducted. The members of discussion panel were Dr. O.R. Jaiswal, Dr. R.K. Ingle, Dr. Y.M. Ghugal and Dr. P.S. Patil. Participants participated in the panel discussion by raising their queries related to their research areas.

Dr. Rajan Wankhede, Associate Professor GCE Nagpur conducted the Fourth technical session on 'Important Provisions of Revised Seismic Codes IS 1893 & IS 13920 and Base Isolation Techniques'. He focused on provisions of old and new seismic codes.

In Fifth technical Session, Dr. Murnal Pranesh, Head, Dept. of Applied Mechanics GCE Aurangabad, talked about 'Seismic Retrofitting and Strengthening of Structures'. He elaborated various techniques of Seismic Retrofitting and Strengthening of Structures.

Sixth technical Session was addressed by Dr. P.S. Patil, HOP Structural Engineering, RIT, Rajaramnagar, on 'Comparison of Lateral Loads Using Old and New IS Codes 1893 and 13920-2016'. He illustrated modifications made in IS Codes 1893 and 13920-2016 by solving numerical using both revisions. This helped participant especially, students to understand changes and practical application of these IS Codes.

Workshop concluded with valedictory function in presence of Chief Guest Dr. Mrunal Pranesh and Guest of Honour Dr. Y.M. Ghugal.. The participants appreciated the efforts taken for organizing such workshop and demanded that similar workshops should be organized under the aegis of IEI in association with RIT in near future. Participation Certificates were given to all the participants at the hands of Chief Guest.Prof. Mrs. S. N. Patil proposed the Vote of thanks .

4th B.G.Walimbe Memorial Lecture

The fourth B. G. Walimbe Memorial Lecture programme was organised at the Firodiya Auditorium, on Saturday 4th November 2017 at 6.30 pm. Er. Chetan Pandit former Member (WP & P) CWC was the Chief Guest and Er. Pradeep Purandare former Professor WALMI Aurangabad was the Key Note Speaker. Dr. G. S. Mundada Chairman presided over the function. The Theme of the lecture was "Water Management, Governance and Regulation in Maharashtra State. "

The programme started with paying floral tributes to late B. G. Walimbe by the dignitaries on the dais. Thereafter Er. R. B. Walimbe informed the audience about the three lectures organised till date, as well as about the brief life sketch of B. G. Walimbe. Dr. G. S. Mundada Chairman welcomed the Chief Guest and the Key Note Speaker and spoke about the activities of The Institution of Engineers as well as about the achievements of Pune Local Centre.

In his Key Note address, Er. Purandare informed the status of Water Management in Maharashtra State, which comprises of 3679 no. of projects, 50 lakh hectare of irrigation potential and 34000MCuM of Water Use. He emphasized on adequate and timely Maintenance & Repairs and the need for motorised HR & CR gates. He also said that there could be a big business opportunity for industrial production of HR and CR gates, measuring devices, water meters automatic data collection etc. Regarding Water governance, Er. Purandare said that there are nine irrigation related acts in force in the State. However non implementation of the Water Laws has weakened the present institutional & Legal arrangement in the State. He pointed out that barring the exception of MMISF Act, none of the other Acts have Rules.

Er. Chetan Pandit said that while he was working with Policy Planning wing in the Ministry of Water Resources, several new concepts were introduced like Water Sector Reforms, establishing independent Water Regulatory Authority, Public Private Partnership, Benchmarking, Water Audit etc. However over period of time the new ideas like benchmarking of water resources projects could not hold its ground and disappeared. He said we had enough discussions on various issues in Water Management and now it is the time to implement the policies with a strong leadership. He narrated the example of Bhakra Beas Management Board (BBMB) working under the leadership of a serving Major General of Army. He further added that we have to find new innovative and out of box solutions for Water Management problems. To illustrate his point, he gave example of Murray Darling Basin in Australia where the government purchased water from farmers to be released in the river for maintaining minimum environmental flows.

The function concluded with a Vote of Thanks by the Convener Er. V. N. Shinde. The function had a participation of more than 80 persons including senior officers from State and Central departments, Consultants, NGOs, and Students.

TRANSTECH 2018

TRANSTECH 2018, the 11th edition of TRANSTECH, was organized by TMI, in association with The Institution of Engineers (India), Pune Local Centre and the Institute of Marine Engineers (India) from 8 to 10 March 2018.

TRANSTECH provide a platform to students from marine and non-marine institutes to present their papers and showcase their ideas as modals on the specified theme. The theme this year was "Innovative Approach in Transportation - An Industry Life Line".

Mr Pradeep T. Rawat, Chairman, National Shipping Board, GOI was the Chief Guest. He released the souvenir of Abstracts, CD of Transtech 2018 and also the yearly Technical Bulletin of TMI.

Invited talks were delivered by (1) Mr. Bhuvnesh Tyagi, Research Manager IOC, R&D Centre, Faridabad on the topic "Engine Testing and Component Rating", (2) Dr. Satishchandra B. Ogale, **Sr Scientist and Professor, Department of Physics**

and Centre for Energy Science, Indian Institute of Science Education and Research, Pune on the topic "Towards Clean Transportation through Materials Innovation", (3) Brig. Hemant Mahajan on the topic: "Maritime Security" and (4) Mr. TSR Chary, MD Green Sails Singapore on the topic "Condition Monitoring Technologies".

A total of 35 papers were received and 19 were selected and presented from 10 colleges. A total of 14 models were displayed. A team of three judges selected some for the prizes which were sponsored by TMI and the Institute of Marine Engineers (India), Pune branch.

Capt. Sudarsan Srinivasan, Director (Training), Synergy Maritime Recruitment Services Pvt. Ltd. Mumbai was the Chief Guest for the Valedictory Function on 10 March 2018 and gave away the prizes.

Following were the prize winners:

First prize sponsored by IMEI, Pune won by Cdt. Snehadri Banik of Tolani Maritime Institute, Induri, for presentation on topic "Flettner Rotor- Paving The Road Ahead for a Cleaner Shipping Industry"

Second Prize sponsored by IMEI, Pune won by Capt Rohit Yadav, Capt Azhar Alam of College of Military Engineering, Pune for their paper presentation on topic "Integration of Inland Waterways in Transport"

Third Prize sponsored by IMEI, Pune won by Cdt. Keith Mariadas, Cdt. R. K. Vignesh, Cdt. Nikith Amin Raju of The Great Eastern Institute of Maritime Studies, Lonavla for their paper presentation on topic "Hydrogen used as an Alternative Fuel"

1st Consolation Prize won by Cdt. Indranil Kundu, Cdt. Zia Ur Rahman of IMU, Visakhapatnam for their paper presentation on topic "Man Overboard Detection and Safety System"

2nd Consolation Prize won by Cdt. Chidambarasan, Cdt. Rohan Tyagi of Vels University, Visakhapatnam for their paper presentation on topic "Man Overboard Detection and Safety System"

Best Themes:

Cdt. Thulasi Ram, Cdt. Shakkthivel of HIMT College, Chennai for their paper presentation on topic "Artificial Intelligence with Virtual Reality: "Next leap of faith for MIT's"?"

Cdt. Pranav Chandekar, Cdt. Santosh Kumar, Cdt. Ujwal Samal of The Great Eastern Institute of Maritime Studies, Lonavla for their paper presentation on topic "Yoreh Mitwa - An Electrochemical Rain Sensing Wiper"

Cdt. Akshit Singhania, Cdt. Ansh Mehta, Cdt. A. Vishal of Tolani Maritime Institute, Induri for their paper presentation on topic "Emerging Trends in Robotics, Navigation and Communication"

Cdt. Mrinal Jha, Cdt. Navneet Awasthi of Tolani Maritime Institute, Induri for their paper presentation on topic "The Sagarmala Project"

Cdt. Sandesh Sinha, Cdt. Siddhant Kumar Srivastava of Tolani Maritime Institute, Induri for their paper presentation on topic "Regulations and Conventions for a Pollution Free and Environmentally Safe Navigation of Merchant Vessels"

Models:

1st Prize:

For model on "Ballast Water Treatment System" **by** Cdt Bhushan Kalra, Cdt Kiran Mangalwedi, Cdt Sai Kumar Adhikari **from** Anglo Eastern Maritime Academy.

2nd Prize:

For model on "Hydel Power Generation & Regeneration of Energy" **by** Cdt Rishabh Jangra, Cdt Konark Anand, Cdt Subhajt Majumdar, Cdt Prabhav Seth **from** TMI.

3rd Prize awarded to two models:

For model on "Multipurpose Machine" **by** Cdt Divyanshu Kushwaha, Cdt Sangani Mihir Jayesh **from** TMI.

For model on "Man B&W Follower Shifting Mechanism" **by** Cdt Devanshu Kulshrestha, Cdt Akshay Gupta, Cdt Arpit Awad **from** Anglo Eastern Maritime Academy.

Special Prizes:

For model "Fuel Injector" **by** Cdt Vembu Rajesh Kanna, Cdt Mendgule Prasad Uday, Cdt Manoj Kumar **from** The Great Eastern Institute of Maritime Studies.

For model "Understanding the Working of Alpha Lubricator of Man B&W" **by** Cdt Kunal Sharma, Cdt Vikalp Srivastav, Cdt Anil Kumar. **from** Anglo Eastern Maritime Academy.

For model "Power Generation Using Wave Energy" **by** Cdt Rishi Kishor Ranjan, Cdt. Rishav Kumar, Cdt. Durgesh Shukla **from** TMI.

For model "Man Overboard Detection System" **by** Cdt. Shivansh Singh, Cdt. Akash Saxena, Cdt Apoorva, Cdt Zia Ur Rahman **from** Indian Maritime University, Vishakhapatnam.

World Women's Day

The Institution of Engineers(India) Pune Local Centre, in its Diamond Jubilee Year, celebrated World Women's Day 2018 by organizing Workshop on **Skill Development** on 10th March 2018 a report. The workshop was organized in Pune Local Centre It was inaugurated by Dr. D. J. Doke, past Chairman IEIPLC and Er. Vasant Shinde past Hon Secretary IEIPLC. There were four expert lectures on “Skills Development” each addressing a unique aspect. Major Sonali Kadam, Director, Symbiosis Skill and Vocational Guidance; explained “National Policy on Skill Development”. Further she gave an overview of the Symbiosis and how they are trying to bridge the gaps between skills required by institutions/ industries and skills acquired by students while studying in universities/ colleges. Er Udayan Kanade, owner Oneirix Labs, deliberated on “Building a highly Skilled Technology Organization”. Taking example of his own organization, he said it is not enough to have multidisciplinary approach to skilling but it should be transdisciplinary, i.e. without boundaries between the disciplines. The MS / MTech degree holders acquire skills in area like Law. According to him, the golden rules in the process of building the organization are

Rule 1. Get the best people, Rule 2. Give them challenging and diverse work, Rule 3 Support them, Rule 4. Create a culture of learning. He substantiated these by giving examples from his organization which is doing exemplary work in the field of Engineering Solutions.

In his presentation, he projected contribution of women engineers in his team, appropriate for the occasion. Ms Soma Chattopadhyay presented “Recipe for Entrepreneurship”. She introduced activities of “Venture Centre” where she is “Manager, Incubator”. Venture Centre is National Implementation partner for Startup India programs of MoST, DST Nidhi Centre of excellence. According to her Entrepreneurship is Art of converting resources into products or services by value addition. The obvious skills required for this value addition are Technical Skills, Creative Skills, Personal Skills and Interpersonal Skills. Not so obvious skills are Ability to tell a story, Resourcefulness, Ability to foresee, Courage & Confidence to stay with one's foresight. She addressed requirements of technical innovations and how Venture Centre can help. She also presented funding options. Er Devika Ghaisas, Director System Software, NVIDIA spoke about building a generic cloud. She first explained architecture of cloud with a typical cloud stack. This was followed by Client Server link and layers. Then she highlighted services which use day in and out operating on clouds. With this background she listed out the skillset required to build a cloud. The next level of skills required is languages, scaling of operations and Testing. Subsequently “skill based” case studies of projects were presented by Yashaswi and Swayam Team members of COEP. “Swayam team” presented the process of building a satellite involving many students from different branches and years. Ms Soniya Malwadkar and Ms Shweta Pable gave an account of problems faced, solutions sought and learning by students. Their presentation won the hearts of all the participants and IEI members.

Yashaswi was represented by Ms Smita Dhumal. One of our senior members, Er. S. P. Ranade (Age 85, Retd M.D. Mitcon) shared his experiences and presented skill training given by him for Replacement of Refrigeration gases and Solar panel maintenance. This workshop was sponsored by Yashaswi, Shweta Engineering and The Saraswat Co op Bank FC Road, Pune. Dr Doke Felicitated all the speakers. Er Shubhangi Chiplonkar and Er Rujuta Desai convened the program. Er Veena Gore proposed Vote of Thanks.

World Water Day

The Institution of Engineers (India), Pune Local Centre along with Central Water & Power Research Station, Pune, Maharashtra Jeevan Pradhikarn, Pune, Indian Water Works Association, Pune, Marathi Vidnyan Parishad, Pune Vibhag & Society for Environmental Education Research & Management, Pune celebrated World Water Day, on 22nd March 2018. Program began with Kalsh Pujan by Dr. Girish Mundada Chairman IEI PLC, Prof. Vinay R R President of Marathi Vidnyan Pparishad, Dr. Mrs. Bhosekar Director CWPRS, Mrs. Jyotsna Saraf Joint Secretary Indian Water Works Association, Dr. Mangesh Kashyap of Seeram & Er. Rajendrakumar R Saraf Convener. After recital of prayer for God Varun, Dr. Girish Mundada Chairman of PLC welcome the dignitaries and the audience. He highlighted the activities of IEI PLC. Er. Saraf said that this year's theme, 'Nature for Water', explores nature-based solutions to the water challenges we face in the 21st century. Environmental damage, together with climate change, is driving the water-related crises we see around the world. Floods, drought and water pollution are all made worse by degraded vegetation, soil, rivers and lakes. When we neglect our ecosystems, we make it harder to provide everyone with the clean water we need to survive and thrive.

A Short play on Save Water was presented by the students of Department of Technology, Savitribai Phule University of Pune. It has given the message to all. Mr. Dhairyashhel Bhosale & Digvujay Aher students from Department of Technology made presentation on behalf of youth. Mr. Pate Treasurer General of Indian Water Works Association declared that Youth forum of IWWA at D Y Patil College is officially opened. Students from Youth forum displayed their Poster in Exhibition at Kale Hall. Dr. (Mrs.) V V Bosekar, Director CWPRS, Pune taken review of various activities being carried out at CWPRS. She said that CWPRS put the best efforts to protect and preserve our natural resources. There is need to learn the natural system & find the application for Water management. Dr. Anshul Gujrathi from Eco solutions explained the Green and Gray Infrastructure. She said that reduction of resource consumption and the optimum use of Panmahabhut and the natural resources makes the Infrastructure green. She further said that green & Gray infrastructure is the solution found from Nature. Dr. Mangesh Kasyap indiated the Panel Discussion as coordinator. He said the Green Economy is one of the solution for sustainable development. Both the experts answer the questions raised by the coordinator & audience. It was unanimously agreed that the theme shall be considered for throughout the year to find the answer from nature. Thus Audience actively interacted to make the Road map for implementation of Theme Miss Mrinali has read the Pledge which is followed by the audience. Prof. Araddhana Deshmukh, Secretary proposed vote of thanks. Miss Riyanka Shinde & Mrs Pooja & Miss Mrinali compared the program. The program was attended by +100 participants and mainly by the youth.

AUDITORS REPORT

1. Report on the Financial Statements

We have audited the accompanying financial statements of The Institution of Engineers (India) Pune Local Centre ("the Institution"), which comprise of the Balance Sheet as at March 31st, 2018, signed by us under reference to this report and the related Income and Expenditure Account and the Cash Flow Statement for the year then ended and Schedules forming part of the accounts and a summary of significant accounting policies and other explanatory information.

2. Management's Responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance and cash flows of the Institution in accordance with the applicable Accounting Standards issued by the Institute of Chartered Accountants of India and generally accepted accounting practices. This responsibility also includes maintenance of adequate accounting records and safeguarding the assets of the Institution and for preventing and detecting frauds and other irregularities, selection and application of appropriate accounting policies, making judgments and estimates that are reasonable and prudent, and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

3. Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal financial control relevant to the Institution's preparation of the financial statements that give a true and fair view in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by the Management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the financial statements.

4. Opinion

In our opinion and to the best of our information and according to the explanation given to us, the financial statements give the information in the manner so required and subject to the comments annexed in Annexure-III give a true and fair view in conformity with the Accounting Standards generally accepted in India;

4.1 In the case of the Balance Sheet, of the state of affairs of the Institution as at 31st March, 2018;

4.2 In the case of the Income and Expenditure Account, of the surplus for the year ended on that date; and

4.3 In the case of the Cash Flow statement, of the cash flows for the year ended on that date.

5. Report on Other Legal and Regulatory Requirements

This report does not contain a statement on the matters specified by the Companies (Auditor's Report) Order 2015 ('the Order') issued by the Central Government of India in terms of sub section (11) of section 143 of the Companies Act 2013 as the said Order is not applicable to the Institution.

6. We further report that,

- 6.1. Subject to the comments annexed in Annexure-III, We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of the audit;
- 6.2. In our opinion proper books of accounts as required by law have been kept by the Institution so far as appears from our examination of those books;
- 6.3. The Balance Sheet, the Statement of Income and Expenditure, and the Cash Flow Statement dealt with in this Report are in agreement with the books of account.
- 6.4. The aforesaid financial statements comply with the Accounting Standards issued by the Institute of Chartered Accountants of India.
- 6.5. We further report that according to the information and explanation given to us:
 - i. The Institution has disclosed the impact of pending litigations on its financial position in its financial statements.
 - ii. The Institution did not have any long-term contracts including derivative contracts for which there may be any material foreseeable losses;

For D.V.Kotwal & Co
Chartered Accountants
FRN 105347

(D.V. Kotwal)
(Proprietor)
M No 031389
Place: - Pune
Date: -

THE INSTITUTION OF ENGINEERS (INDIA) : PUNE LOCAL CENTRE

BALANCE SHEET AS ON 31ST MARCH 2018

Amount Rs 16-17	Liabilities	Amount Rs 17-18	Amount Rs 16-17	Assets	Amount Rs 17-18	Amount Rs 16-17	Amount Rs 17-18
36,23,430	Earmarked Fund (As per Schedule-I)	36,90,667	87,86,370	Fixed Assets (As per Schedule-II)			89,38,373
2,89,597	General Reserve - Opening Balance	2,89,597	45,000	Investment (As per Schedule-III)		45,000	
300,72,068	Income and Expenditure A/c		3,68,501	Lecture Fund Investments		3,68,501	
16,09,415	Opening Balance		13,50,000	Prize Fund Investments		11,50,000	
	Surplus / (Deficit) for the Current Year	316,81,483	231,18,067	Library Deposit Fund Investments		251,63,974	267,27,475
		27,78,195		Other Investments			
7,480	Current Liabilities		5,69,023	Current Assets			
90,000	TDS Payable		16,530	TDS on Investment		7,46,245	7,62,775
10,23,452	Payable PMA			Security Deposit with MSEDCL		16,530	
	Library Deposits Payable	10,66,902	24,61,951	Cash and Bank Balances			30,78,220
367,15,442	Total	395,06,843	367,15,442	Total			395,06,843

As Per Our Report of Even Date

For D V Kotwal & Co
Chartered Accountants
FRN-105347

For The Institution Of Engineers (India) : Pune Local Centre

D V Kotwal
Proprietor
M.No. 031389

Chairman Hon. Secretary Treasurer

Place : Pune.
Date:

THE INSTITUTION OF ENGINEERS (INDIA) : PUNE LOCAL CENTRE
INCOME AND EXPENDITURE A/C FOR THE YEAR ENDED 31ST MARCH 2018

Research and Development 2016-17	Education 2016-17	Particulars	Research and Development 2016-17	Education 2016-17	Particulars	Research and Development 2016-17	Education 2016-17	Total	Research and Development 2017-18	Education 2017-18	Total
1,17,553	5,73,937	To Establishment Expenses	13,69,224	2,60,804	By Grant Received from Headquarters	13,14,434	2,50,368	5,92,082	13,14,434	2,50,368	15,64,802
5,278	25,768	Salaries & Wages	61,740	11,760	Recurring Grant	4,2840	8,160	20,476	4,2840	8,160	51,000
39,868	1,94,647	Adhoc Bonus	4,17,655	79,553	Incentive Grant	4,30,298	81,962	2,50,660	4,30,298	81,962	5,12,260
8,244	40,248	Security Expenses	13,364	2,546	Grant Marpower	80,218	15,280	72,887	-	-	95,498
		Books & Periodicals	76,257	14,525	Elections	-	-	-	-	-	-
					AMIE Summer Exam 2016	-	-	-	-	-	-
5,782	1,445	To Office Expenses	3,77,164	71,841	By Other Receipts	8,34,255	158,906	3,344	8,34,255	158,906	9,93,161
45,826	11,457	Postage & Telegram	3,77,164	71,841	Service Charges for Hall	2,21,004	42,096	36,412	2,21,004	42,096	2,63,100
36,266	9,067	Telephone & Telex	6,26,641	1,19,360	Course AMIE Recp/Refund	28,673	5,462	26,369	-	-	34,135
40,980	10,245	Internet Charges/Website	-	-	National Convention - Environmental	-	-	29,414	-	-	-
	10,245	Printing & Stationery	1,86,367	35,499	National Con-Electricle	-	-	1,00,210	-	-	-
6,965	1,741	Advertisement Expenses	4,68,235	89,188	Grant for National Convention Marin	67,376	12,834	1,41,530	67,376	12,834	80,210
1,19,488	29,872	Electricity Charges	-	-	National Convention - Chemical	14,662	2,793	2,56,989	-	-	17,455
1,93,046	48,261	Rent, Rates & Taxes (PMC)	-	-	Student Chapter Activities	-	-	41,184	-	-	-
94,218	23,555	Refreshment Expenses	83,328	15,872	By Library Receipts	63,840	12,160	2,92,291	-	-	76,000
74,390	18,598	Office Expenses	83,328	15,872	Subscription for Library	-	-	8,595	-	-	-
2,18,240	54,560	Office upkeep Expenses	83,328	15,872	By Interest/Dividend	-	-	94,042	15,47,101	2,94,686	18,41,787
16,396	4,099	Diesel for Generator	83,328	15,872	Interest on Bank FD	76,107	14,497	84,810	76,107	14,497	90,604
		To Repairs & Maintenance			Interest on Savings Bank A/c.	-	-	3,741	-	-	-
12,02,484	3,00,621	Building			By Sundry Balances Written Back	1,67,724	31,948	27,763	1,67,724	31,948	1,99,672
33,856	8,464	Elec. Installation & Furniture			By Donation	-	-	22,510	-	-	-
9,261	2,315	Generator Expenses						13,765			
14,196	3,549	Computer Repairing Exp						5,648			
		To Travelling & Conveyance Exp.						-			
17,838	4,459	Travelling						13,244			
20,560	5,140	Conveyance						5,648			
		To Expenses for Technical Activities						-			
18,462	4,615	Other Tech. Activity						2,649			
11,999	3,000	Lectures & Paper Meeting						1,130			
	1,136	Continuing Education Course						-			
1,19,157	29,789	National Convocation- Tech /Student						-			
20,921	5,230	Refresher Course/Seminar (Net)						52,292			
76,555	19,139	Special Technical Activities						86,571			
		To Printing of Other Technical Publication						-			
79,252	1,9813	News Letter						44,172			
1,02,716	25,679	Annual Tech Journals						2,060			
		To Meeting Expenses						-			
16,600	4,150	Annual General Meeting 8						11,143			
13,250	3,313	Committee Meeting						16,990			
9,015	2,254	General Meeting						15,217			
		To Election Expenses						200			
1,29,962	32,490							8,238			
	984	To Prizes Awarded						-			
3,935								-			
		To Expenses for Guidance courses						44,400			
2,39,520	59,880	Faculty charges						3,7098			
		To Expenses for AMIE Examination						1,85,491			
								-			

THE INSTITUTION OF ENGINEERS (INDIA) : PUNE LOCAL CENTRE
INCOME AND EXPENDITURE A/C FOR THE YEAR ENDED 31ST MARCH 2018

Research and Development 2016-17	Education 2016-17	Particulars	Research and Development 2017-18	Education 2017-18	Total	Research and Development 2016-17	Education 2016-17	Particulars	Research and Development 2017-18	Education 2017-18	Total
384	%	To Charges General	-	-	-	-	-		-	-	-
42,240	10,560	Photographs Expenses	10,200	2,550	12,750						
39,431	9,858	Library Expenses	47,040	11,760	58,800						
		Gardening Expenses									
1,868	467	To Miscellaneous Expenses	10,924	2,731	13,655						
27,600	6,900	Bank Charges	14,160	3,540	17,700						
3,286	822	Audit Fees	2,034	509	2,543						
11,104	2,776	Misc. Expenses	39,811	9,953	49,764						
		Professional Fees Charges									
4,592	1,148	To B.G. Wallimbe Memorial Expenses	9,773	2,443	12,216						
		Excess of Income over Expenditure			27,78,195						
32,97,127	16,16,147	Total	18,43,445	11,98,044	58,19,684	54,79,058	10,43,630	Total	48,88,535	9,31,149	58,19,684

As Per Our Report of Even Date

For D V Kotwal & Co
Chartered Accountants
FRN-105347

For The Institution Of Engineers (India) : Pune Local Centre

D V Kotwal
Proprietor
M.No. 031389

Chairman

Hon. Secretary

Treasurer

Place : Pune.
Date:

SCHEDULE-I : EARMARKED FUND

Amount Rs 2016-17	Amount Rs 2016-17	Amount Rs 2016-17	Particulars	Amount Rs 2017-18	Amount Rs 2017-18	Amount Rs 2017-18		
	12,31,959 -	12,36,242	A] Building Fund Opening Balance		12,36,242	12,40,525		
	4,283		Add- Received during the Year for Fund Add- Interest on SB A/C		- 4,283			
	11,22,505 -	11,22,505	B] Furniture Fund Opening Balance		11,22,505	11,22,505		
			Add:- Grant from HQ		-			
	5,60,765 -	5,86,779	C] Library Deposit Fund Opening Balance		5,86,779	6,12,793		
	26,014		Add- Interest on Investment (net) Add- Interest on SB A/C		- 26,014			
45,734 2,490	48,224	2,43,990	D] Prize Fund 1. Dr.M Visvesvara ya Centenary Prize Fund Opening Balance	48,224	50,498			
			Add- Transfer from I/E A/C	2,274				
26,933 1,750	28,683		2. V.G.Mehendaley Health and Safety Prize Fund Opening Balance	28,683	30,379			
			Add- Transfer from I/E A/C	1,696				
35,594 2,686	38,280		3. Mrs. Leelavati Mehendaley Women Engineers/Entrepreneurs Prize Fund Opening Balance	38,280	40,500			
			Add- Transfer from I/E A/C	2,220				
10,620 -	11,368		4. Prof. B.B.Deshpande Prize Fund Opening Balance	11,368	12,023			
748			Less- Prizes Paid	-				
			Add- Transfer from I/E A/C	655				
32,068 1,790	33,858		5. CM Shah Concrete Technology Prize Fund Opening Balance	33,858	35,324			
		Add- Transfer from I/E A/C	1,466					
25,366 1,535	26,901	6. Cooper Engineering Scholarship Fund Prize Opening Balance	26,901	28,389				
		Add- Transfer from I/E A/C	1,488					
35,441 2,528	37,969	7. Prof.MV Deshpande Memorial Fund Prize Opening Balance	37,969	40,420				
		Add- Transfer from I/E A/C	2,451					
16,948 1,759	18,707	8. NS Joshi Memorial Prize Fund Opening Balance	18,707	20,286				
		Add- Transfer from I/E A/C	1,579					
90,843 3,669	94,512	2,43,990	E] Lecture Fund 1. Silver Jubilee Memorial Lecture Fund Opening Balance	94,512	97,921			
			Add- Transfer from I/E A/C	3,409				
42,871 4,632	47,503		2. Prof. MV Deshpande Lecture Fund Opening Balance	47,503	50,953			
			Add- Transfer from I/E A/C	3,450				
2,73,062.00 18,837	2,91,899		3. B.G. Walimbe Memorial Lecture Fund Opening Balance	2,91,899	3,08,151			
			Add- Received during the Year for Fund					
			Add- Transfer from I/E A/C	16,252				
	Total		36,23,430				Total	36,90,667

