



GOA ENGINEERS NEWS

The Institution of Engineers (India)

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GOA STATE CENTRE

*"97 Years of Relentless Journey Towards
Engineering Advancement for Nation Building"*

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FROM CHAIRMAN'S DESK

Dear All,

This is the third "Goa ENGINEWS" issue of the year 2017 being published on the occasion of "World Telecommunication and Information Society Day (WTISD 2017)" today i.e. 17/05/2017.

We are now in the full speed, geared to take up more & more responsibilities.

We have successfully organized the "World Water Day 2017" jointly with 'Indian Water Works Association, Goa Centre' on 22nd March, 2017. It was a success story with over 141 entries received from 40 schools for All Goa Drawing Competition. Similarly 14 entries received from 7 Engineering Institutions. My hearty congratulations to the winners. On this occasion our **past chairman Er. S.T. Nadkarni** was felicitated for his outstanding contribution in the field of water sector.

The Technical Seminar "Advantages of PT over RCC structures" organized at Hotel Fidalgo on 15th April, 2017 received an overwhelming response. The presentation by Prof. Gadgil was very much informative & knowledgeable. Full marks to our Convenor from Civil Engineering Division **Er. Chandrashekhhar Prabhudessai**.

The National Conference "Challenges in Environment Management Mines and Industries" on 20th-21st April, 2017 was a joint Venture with **Goa College of Engineering, Farmagudi** which was also a grand success.

The preparations of 25th IEI Convocation & Technicians & Students chapter Seminar & Convention on the topic 'Role of Engineers towards skill India Mission' on 28th & 29th October are underway. Venue at Kala Academy is

already finalized. Brochures will be printed by HQ and would be circulated shortly for getting Sponsors and delegates. All corporate members irrespective of



their Division are invited to share their responsibility and make the programme success. An Organizing Committee is already appointed with Er. Chandrashekhhar Prabhudessai as Organizing Secretary.

I would like to share with you that recently, I have taken over the new assignment of **Hon. Secretary General of Indian Water Works Association (IWWA)** at Mumbai w.e.f. 01/04/2017 to 31/03/2019. IWWA is a voluntary body of 12,000 Professionals concerned and connected with Water Supply for Municipal (drinking), Industrial, Agricultural uses and treatment & disposal of Waste Water. IWWA focuses basically on the entire water cycle encompassing the environmental, social, institutional & financing issues.

We have added a number of books to the library including the latest National Building Code of India, 2016 Edition. All Members may refer the books available in IEI Library.

I appeal to all Members & Colleagues to take up membership drive. With your kind support I am quite sure that by next March 2018, we should be able to cross the mark of 1300 Members.

I am fully confident that the Goa State Centre is embracing for bright future and I look forward to continued support of all to assist us in our endeavor to make Goa State Centre achieve greater heights.

Er. Gurunath M. Naik Parrikar, FIE

AVHAAN-2017” at GPP



Smt.Meenaxi Gad, DGM, RBI, Goa and Dr.Rajendra Gad, Professor, Goa University along with Er.Gurunath Parrikar, Chairman, IOE, Goa Center and Er.Rajendra Hegde, HOD(Civil) and I/C Principal, GPP and Smt. Komala Soares, HOD (Electronics)& Co-ordinator(Avhaan-2017), with Smt.Sheetal Pednekar, Lect.(Electronics) and MC of the Event along with Audience in right side

Government Polytechnic, Panaji organized Two day National Level Paper Presentation and Competition (AVHAAN-2017) for diploma level students, at Government Polytechnic, Altinho-Panaji on 16th and 17th March 2017, in association with The Institution of Engineers(I), Goa State Center. The Programme was inaugurated and graced by **Smt. Meenaxi Gad**, Deputy General Manager, RBI(Goa) in the distinguished presence of **Dr.Rajendra Gad**, Department of Electronics, Goa University and **Er. Gurunath M Parrikar**, Chairman, The Institution of Engineers(India), Goa Centre.

Smt. Meenaxi Gad was applauded for her inspiring talk regarding how students can mould their career and ample of schemes by government to nurture the young Entrepreneurs, like start –up-India, stand-up-India, rebate/relaxation in tax, etc.. **Dr.Rajendra Gad** motivated students by narrating life of curious, simple but genius technocrats and their success story. **Er. Gurunath M Parrikar** Chairman, congratulated the Institute for organizing the National level event for Students with


Electronics background, from diploma level. **Mrs.Komala Soares, HOD(E&C)**,briefed the objectives of the event. The objectives of this event are, to provide a great opportunity for students to exchange and share their experiences, to broaden their horizon and perspective in academics, to provide an effective and all-inclusive platform for Institute- Industry Interaction, to facilitate direct interaction between students and the industry personnel, from vast number of companies and for students to gain knowledge about industry, Current Industry Standards and Projects.

First day of the event included presentation of 22 papers in three sessions. The papers were scrutinized by Eminent Personalities from industries, Research organizations and academic Institutions and have appreciated the energy and enthusiasm of budding engineers. The papers were received from all institutes of Goa as well as neighboring states, like Bagalkot, Soraba and Belagavi.


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Session I.....Winner	1 st runner up	2 nd runner-up
Automatic Conveyer Belt Inspection System Ifran C., Sameera S. Prasad D., Shubham S., <i>Electronics & Communication Dept, Govt. Polytechnic Bicholim</i>	Biosensors Advait Jagtap, Brendan Mendes <i>Dept. Of Electronics & Instrumentation</i>	Secured Voting System using Fingerprint Mr.Sharath K Y, Mr. Sh ailesh S U, <i>Department of Electronics and Communication, Govt polytechnic, Sorab, Karnataka</i>

Session II.....Winner	1 st runner up	2 nd runner-up
Nano technology <i>Pallavi Dodmani, Renuka Talawar Electronics Engineering Dept,</i>	Encryption of Image using Hill Cipher Technique Anjali Gurav, Akshay Chodankar, SANKesh Naik <i>Electronics Engineering Dept, Govt. Polytechnic Panaji</i>	Internet of Things Vidhya R. Gaunekar, Prajyot S. Kavalekar <i>Computer Engineering Dept, Govt. Polytechnic Panaji</i>

Session III.....Winner	1 st runner up	2 nd runner-up
A Study on Role of Ethics in advertising in India and its impact on Goan youth Ms.Neda Tayyab, <i>MOP, Govt. Polytechnic Panaji</i>	Pulse Width Modulation Inverter Bhaskar Tatkar, Aniket Kurtarkar. <i>Electrical Engg Dept, Govt. Polytechnic Panaji</i>	Under utilized fruits of Goa <i>Sumedha Gudi, Food Technology, Govt. Polytechnic Panaji</i>

Second day witnessed many students taking part enthusiastically in Technical quiz, poster making, circuit Building and line follower Robot. Students from Instrumentation and Control Dept (Govt. Polytechnic Panaji) were the winners of **Line Follower Robot**. Agnel Polytechnic,

Verna won first prize for **Circuit Building**, while Students of Electronics Engineering, Govt. Polytechnic Panaji walked away as winners of **Technical Quiz**. Students of Computer Engineering, Govt Polytechnic Panaji were declared as winners of **Technical Poster making**



(Left Photo) Shri Manguirish Pai Raikar, Industrialist felicitating prize winner of paper presentation during (Avhaan-2017). (right photo) Dignitaries on the dais. Shri Manguirish Pai Raikar, along with Shri. Deepak Chodankar, Deepak Karmalkar, Hon. Secretary, IEI Goa State Centre and Er. Rajendra Hegde, HOD (Civil) and I/C Principal, GPP and Smt. Sunita Phal, HOD. (Electrical Engineering) with Smt. Komala Soares, HOD (Electronics) & Co-ordinator (Avhaan-2017).

Shri. Manguirish Pai Raikar, Industrialist, was invited as Chief Guest during Valedictory function. He enlightened student crowd with his valuable speech. Guest speaker of valedictory function, Shri. Deepak Chodankar congratulated prize winners of the both day. Souvenir, consisting of all the papers presented was released and was well appreciated by everyone. Deepak

Karmalkar, Hon. Secretary, IEI Goa State Centre, has also given the prizes. Amit Desai, 3rd Year student, Computer Engineering, GPP, was felicitated for **designing the front cover page**.

The event was compered and concluded with a promise to make it happen again in 2018, by Mrs. Sheetal Pednekar.



World Water Day

World Water Day 2017 was celebrated by the Indian Water Works Association, Goa Centre and the Institution of Engineers (India), Goa State Centre on 22nd March 2017 at International Center Goa, Dona-Paula.

World Water Day is an international observance day. It is meant to inspire people around the world to learn more about water-related issues, tell others about these issues and take action to make a difference. Aligned with objectives, the theme of World Water Day 2017 was chosen as **Water and Waste Water**.

On this occasion an All Goa High School Drawing Competition on the theme was held wherein 141 students from 40 schools participated. Drawings were evaluated by the faculty of Goa College of Art and Senior Water Engineers of IWWA. A PowerPoint Presentation Competition on the theme “Water and Waste Water” was conducted for students of Engineering Institutions in Goa. 13 teams from 5 engineering colleges participated in the competition. Eminent Engineers from Goa namely, **Er P.P.Borkar, Er. R.G.Deo, Er.V.B.Kamat, Er. Yogesh Bhohe & Er. Rajendra Hegde** adjudged these presentations in the afternoon

Well attended audience was welcomed by **Er. Gerald D'mello**, Immediate Past Chairman IEI GSC. **Er. Virkumar Sawant** chairman IWWA, Goa Centre presented overview of world water day celebration. **Er. Austin Rodrigues** introduced key note speaker, **Er. K. B. Wadhvane**, Director (Technical), IWWA. Guest Speaker presented very interesting waste water treatment technologies adopted in Canada and USA. His presentation regarding treatment of the wash water from water treatment plants in Mumbai saving to the tune of 85 million litres of water a day was an eye opener for the engineers present.

On this occasion, IEI bimonthly bulletin Goa **ENGINEWS** was presented by the Editor **Er. Komala Soares** and released at the hands of the key note speaker Shri Wadhvane. Er. Komala Soares introduced eminent water Engineer **Shri S. T.**

Nadkarni. He was felicitated as a part of the celebration for his immense contribution and out of box solutions in water engineering. Er. Nadkarni enlightened the gathering regarding importance of water conservation during his short speech.

Er. G.M.N. Parrikar, Chairman IEI Goa State Centre presented a short film regarding world water day. He presented the winning entries of both the competition to the gathering. Winners of the competitions were presented with cash prizes at the hands of the dignitaries. They are as follows:

A. Drawing competition for students of VIII, IX and X.

1st prize: Mast. Gaurav Kumar Gupta, Milagres high school, Sanguem.

2nd prize: Mast. Chetan Naik, Our lady of Lourdes high school, Valpoi.

3rd prize: Mast. Pranav Acharya, Sharda English high school, Marcel.

Consolation prize: 1. Ms. Clara Fernandes, St. Teresa high school.

2. Ms. Natasha Naik, Sharda English high school, Marcel.

B. PowerPoint Presentation Competition for students of Engineering Institutions

1st Prize: Mr. Tejas Gupta and Ms. Manasi Raut, Goa College of Engg, Farmagudi.

2nd Prize: Ms. Shruti Kandeparker and Ms. Shushmita Naik, Goa College of Engg, Farmagudi.

3rd prize: Ms. Pooja Solapurkar and Mr. Vismaya Pillai, Rayeshwar Institute of Technology, Shiroda.

Er. Deepak Karmalkar, Hon. Secretary IEIGSC proposed the vote of thanks. The celebration function was compered by **Er. Mrs. Sridevi Badami** and assisted by **Mrs. Assumption Louis**. The celebration function was attended in large numbers by members of both organizations, students, faculties and dignitaries



Dignitaries Lighting the Lamp



Keynote address by Er. K. B. Wadhvane



Prizes declared by Er. G. M. Naik Parrikar, Chairman, IEI GSC



Chief Guest Shri K B Wadhvane giving away Prizes



Prize given by Er. V. S. Sawant, Chairman, IWWA, Goa Centre



Felicitation of Er. S.T. Nadkarni, Eminent Engineer



Technical seminar on “Advantages of Post-Tension Concrete Over Rcc Structure”

The Institution of Engineers (India) Goa State Centre in association with **Scon Infrastructure** organized a technical seminar on “**Advantages of Post-Tension Concrete Over Rcc Structure**” on **15th April 2017** from 5.30 p.m. at Hotel Fidalgo, Panaji, Goa. Chief Guest for the function was **Dr. Neena Shekhar Panandikar, Principal of Don Bosco College of Engineering, Margao, Goa.**

Er. Gurunath M. Naik Parrikar, Chairman (IEI Goa State centre), **Er. Deepak A. Karmalkar**, Hon. Secretary (IEI Goa State Centre), **Er. Chandrashekar G. Prabhudessai**, Convener and **Dr. Neena Panandikar**, Chief Guest presided over the function along with **speakers Prof. Mohan Gadgil, Mr. Umesh Bhujbalrao and Mr. Vaibhav Parab.**

Initially, **Mr. Abhijit Jadhav from Scon Infrastructure** introduced the company and its services. After the company introduction, one of the speakers, **Prof. Mohan Gadgil** enlightened the delegates about what is Post Tensioning, basic theory behind Post Tensioning, and how it works. He also

explained different types of Post Tension systems, materials and equipments used.

Practical display of the materials & equipments used in post tensioning draws the attention of the delegates in particular.

After the tea break, company representative discussed about the addition & alteration that can be done in Post Tensioned slab and also explained method of core cutting for Post Tension with an example.

Thereafter **Mr. Vaibhav Parab** enlightened all the delegates on the special applications of Post Tension in voided slabs, Transfer Girder, Cable stayed bridges etc. Lastly, **Prof. Mohan Gadgil** explained the technical & commercial comparison between RCC and Post Tension.

Finally, Chief Guest delivered mementos to the Chairman (IEI Goa State centre), Hon. Secretary, Convener which was followed by the question answers session, vote of thanks by Hon Secretary (IEI Goa state centre) and thereafter by the dinner.



Dignitaries on the dais



Enthusiastic crowd at the seminar



Introduction of the company by Mr. Abhijit Jadhav



Mr. Mohan Gadgil enlightening on The “Theory & Working of Post Tension”



Mr. Vaibhav Parab explaining The “Application of Post Tension Concept”



Chairman, Hon. Secretary of IEI Goa State Centre, Convener with Chief Guest & Speakers



IE (I) Alumni Association and India Western Zone Alumni Meet

Institution of Engineers (India), Goa State Centre received information from S.A. Sathyamurthy, Secretary, IEI Alumni Association regarding newly formed **Alumni Association**. Secretary is overwhelmingly expressed his pleasure towards achievement and persistence of IE(I) ALUMNI, in being able to crack the Sec A and B of AMIE along with other activities and he wishes to have all alumni as partners in continuing efforts to build and strengthen our incredible Engineering community.

S.A. Sathyamurthy expresses desire to develop network of alumni of IE(I) and work towards making prestigious Institution even greater, celebrate and share achievements amongst community. IE(I) has provided a platform through **IEI Alumni Association** to meet these requirements. S.A. Sathyamurthy requests all fellow alumni to get involved and Stay connected! He also urges Alumni to visit website www.ieialumni.org for more details.



National Conference on Challenges in Environment Management: Mines and Industries [CEMMI-17]

Goa College of Engineering has organized **National Conference on Challenges in Environment Management: Mines and Industries [CEMMI-17]** on 20th and 21st April 2017, in association with **The Institution of Engineers(India), Goa State Centre and Mining Engineers' Association of India, Goa Chapter.**

PWD Minister Mr. Sudin Dhavalikar said that Government has proposed hazardous waste treatment, storage, disposal facility for industries, at GIDC Pissurlem and along with that the government is also coming up with waste management plants at Kakoda and Verna.

Dhavalikar was addressing a gathering during inaugural function of a two days National Conference on 'Challenges in Environment Management: Mines & Industries', at Goa College of Engineering, Farmagudi. The National Conference was organised as part of golden jubilee celebrations of GEC in association with The Institution of Engineers (India) and Mining Engineers Association of India. Associate Professor from Carmel College Dr Manoj Borkar, Principal of GEC, Dr. V N Shet and Er. G M Naik Parrikar, chairman IEI GSC were present among others. Dhavalikar said that Goa has seen a steady growth of industries in the recent years and the government is conscious about impact of the industries on environment. Presently there is no common hazardous waste treatment storage and disposal facility (CHWTSDF) within the state. Therefore, the industries here are required to dispose of their hazardous waste in other

neighboring states, he said, adding, in view of the same, the government of Goa is taking steps to set up common facilities for treatment and disposal of hazardous waste. He said with the help of Goa Industries Environment Management Association (GIEMA) the government has decided to locate a common hazardous waste treatment storage and disposal facility at GIDC Pissurlem-Sattari. This facility will cater to the needs of entire industries in the state.

Dr Manoj Borkar, keynote speaker in his address, said there are a lot of repercussions of mining in India. Mining is also followed by different crises which include displacement, socioeconomic impact and others, he said. Dr Borkar stated that precautionary principles of mining are not followed in India or much importance is not given to it.

Er. Ulhas Sawaiker was the Convener of the Conference. Er. Yogita Karakhnis and Er. Satyesh Kaodkar compered the Programme.

Shri Kishor Kumar, CEO, Vedanta Sesa Iron Ore Business, Goa was the Chief Guest for Valedictory Programme.

The conference highlighted the problems & challenges posed in various fields of Environment Management towards sustainable development & discussed the solutions to overcome these problems.

The Conference was well attended in large number by members of both organizations, students, faculties and dignitaries.



Chief Guest Shri Sudin Dhavalikar, Hon. Minister of PWD addressing the delegates.



Er. G M N Parrikar, Chairman, IEIGSC expressing his views



Release of Souvenir at the hands of Chief Guest Shri Sudin Dhavalikar, Hon. Minister for PWD, Govt. of Goa



Valedictory function graced by Shri Kishor Kumar, CEO, Vedanta Sesa Iron Ore Business, Goa.



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WELCOME TO NEW MEMBERS OF IEL, GSC

Name	Location	Division	Grade/Upgraded	Month of Joining
PROF (DR) MS NEENA PANANDIKAR FIE	MARGAO	Civil	F-1223751	30/04/2017
MR DINESH MADALI	Corlim	Civil	AM1720778	30/04/2017

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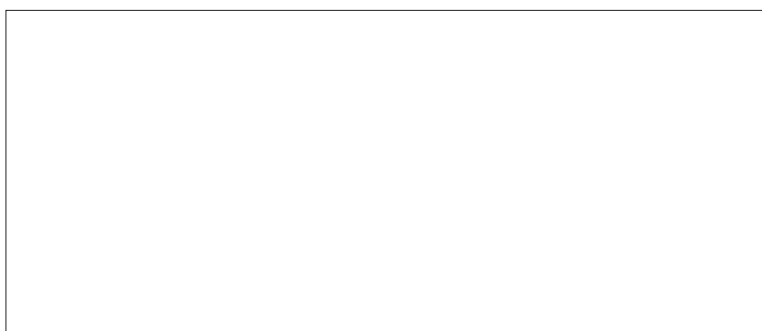
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We request our members to get more interactive with the Institution. We'd love to have your contributions towards our bulletin too. Do send in your articles, reports and other information that you'd like to share with other members to our office:
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