



NALSAAZI

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Dr. Mahendra Nath Pandey, Hon'ble Minister of Skill Development & Entrepreneurship, encouraged youth in RPL felicitation ceremony

Ministry of Skill Development and Entrepreneurship, in the presence of Hon'ble Minister of Skill Development and Entrepreneurship Dr. Mahendra Nath Pandey, has launched a pilot project to formally certify already skilled workers in gram panchayats (GP) that will give them "recognition and respect" to use their expertise while working in government and private industries. The project was rolled out on Monday across 167 GPs in Hon'ble Prime Minister Shri Narendra Modi's parliamentary constituency Varanasi and neighbouring Chandauli district. The programme, a joint initiative between World Bank and Government of India, is known as Recognition of Prior Learning (RPL) under the Skill Acquisition and Knowledge Awareness for Livelihood Promotion (SANKALP). The implementing agency for the programme is National Skill Development Corporation (NSDC). Over 900 candidates were awarded the certificates under this programme on 21st December, while 2,250 have been enrolled for training.

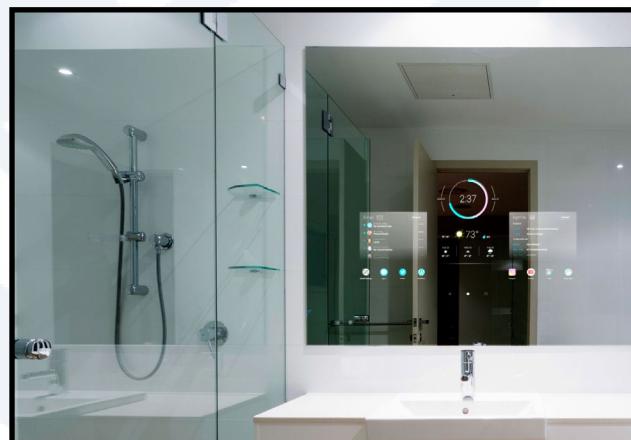


PLUMB INDIA: India's Premium Digital Plumbing Event all set to roll out in Feb'21

Indian Plumbing Skills Council (IPSC) and Federation of Indian Chambers of Commerce and Industry (FICCI) have joined hands & decided to jointly organize India's first & one of its kind Virtual Expo on Plumbing Sector i.e. Plumb India which will play a vital & important role in bringing business back to normal and also connecting the Buyers & Sellers across the globe. The expo is scheduled from February 24 – 27, 2021 at virtual platform. The theme of the expo is Atmanirbhar Bharat: Transforming India into a global plumbing hub.

[Click Here to Know More](#)

Futuristic Restrooms post-Covid A feature by IPSC Vice Chairman, Mr. Vinay Gupta



Futuristic Restroom (Courtesy: Arch Daily)

The world is amidst a situation wherein ways of working are certain to change and we will see several new normal. We might rely on "Namaste(s)" for the rest of our lives, we might develop an infrastructure where students won't be going to schools/ colleges anymore and just as Twitter did a few weeks back, maybe

many MNCs would give their employees an option of work from home 'forever'. Undoubtedly, the present world order is going to change after the Covid-19 pandemic eases or I should use the word 'evolve' here. When the world would be evolving, how can we expect the technology to remain the same? It will evolve. And we can't miss Plumbing here.

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Launch of Learning Management System Plumbacharya: Digital School of Plumbing



BY
INDIAN PLUMBING SKILLS COUNCIL

Indian Plumbing Skills Council, launched “Plumbacharya- Digital School of Plumbing” an Online Learning Management System. The LMS is equipped with facilities like Content Management, Video Demonstration Features, Webinars, Multiple Interfaces, Live Classes, and much more. The Portal looks promising to carry out the Training & Certification process digitally and is easy to use as well. The inaugural ceremony was carried out digitally by IPSC in association with PHD Chamber of Commerce and Industry and was attended by the Dignitaries from the Government, NSDC, and Industry as well. Shri Sanjay Kumar, Joint Secretary, Ministry of Housing and Urban Affairs, graced the meeting as a Chief Guest and Ms. Vandana Bhatnagar, Chief Program Manager, NSDC attended as the Guest of Honour.

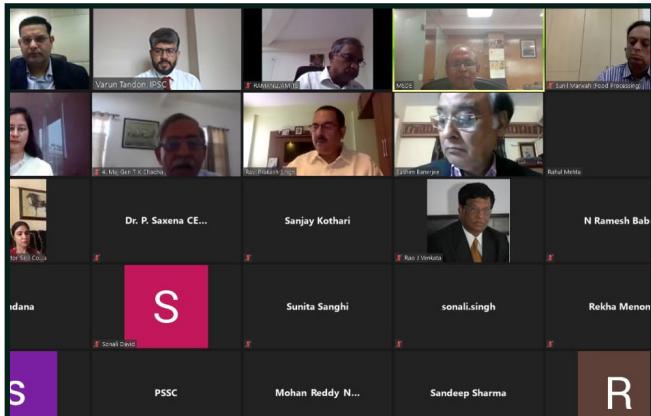
The session began with the opening remarks by Mr. Vishal Jindal (Chairman, Skill & Entrepreneurship Development committee, PHD Chambers) who was of the view that the LMS, Plumbacharya, launched by the Indian Plumbing Skills Council was the need of the hour & appreciated IPSC for the timely release of the portal.

Dr. R.K Somany (Chairman, IPSC) delivered the Inaugural Address by Welcoming all the Dignitaries and Guests. Dr. Somany apprised the audience about various efforts made by IPSC to combat Covid-19 pandemic from distributing food to donating in the PM Cares relief fund and from creating Special Covid-19 Guidelines to releasing a database of more than 900 plumbers who were actually available to work during Covid. Dr. Somany mentioned about the Timeliness of Plumbacharya, highlighting this as the right time for IPSC to carry out digital trainings by bringing the learner and the trainer even closer. After officially launching the portal, Sh. Sanjay Kumar, congratulated IPSC for creating something of its own kind. Sh. Sanjay Kumar appreciated IPSC and said that the SSC could be a flag bearer for many in this process. He assured the IPSC, complete cooperation from the Ministry of Housing and Urban Affairs for all future endeavors and stated that their new Champion Sector Scheme is aimed at promotion of important trades such Plumbing.

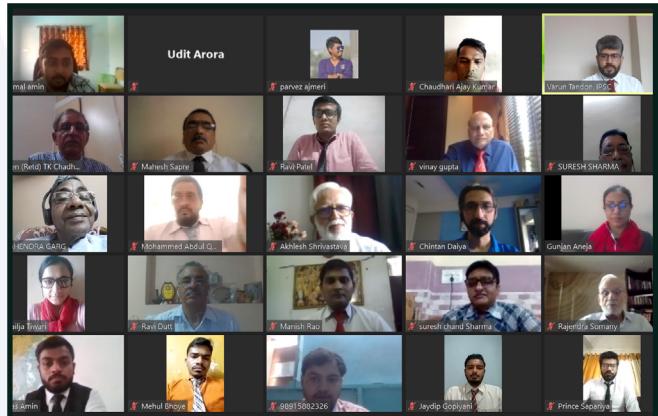
[Click Here to Read More](#)

[Click to watch Inaugural Ceremony](#)

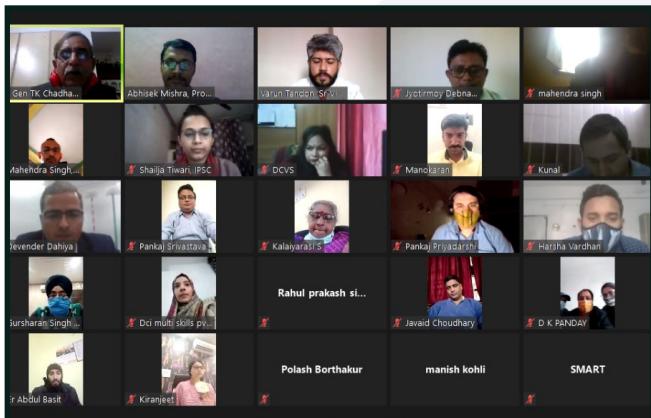
Events and Activities



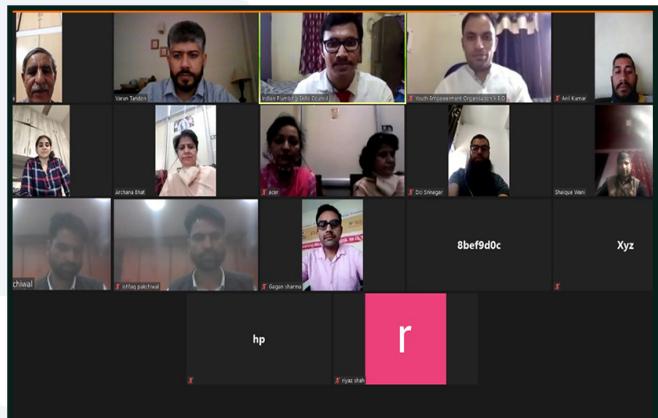
Joint-SSCs Meeting with Shri Praveen Kumar, Secy, MoSDE



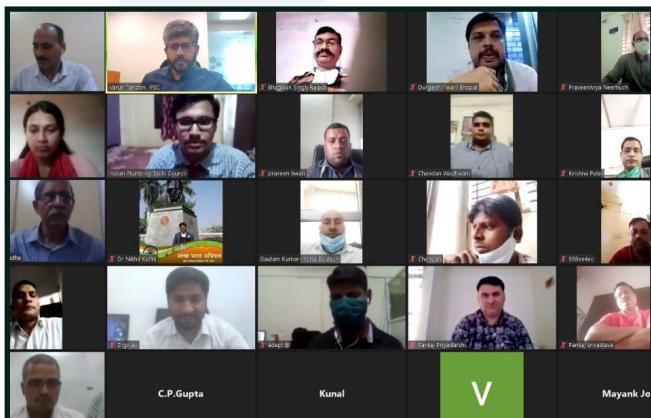
Launch of IPSC's first Virtual ToT Program



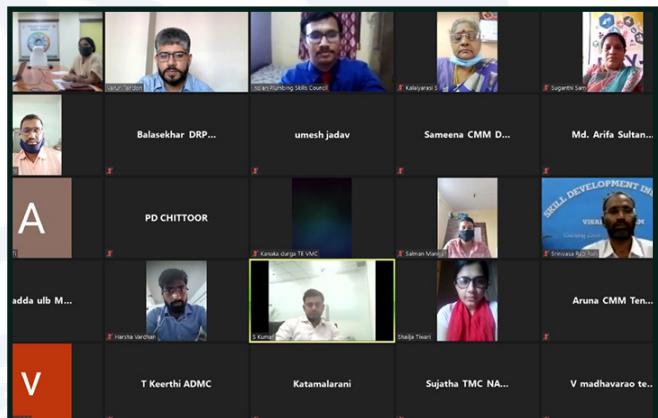
TP Meeting for deciding Post-COVID Training Norms



Meeting with Jammu & Kashmir SULM and TPs



Meeting with Madhya Pradesh SULM and TPs



Meeting with Andhra Pradesh SULM and TPs

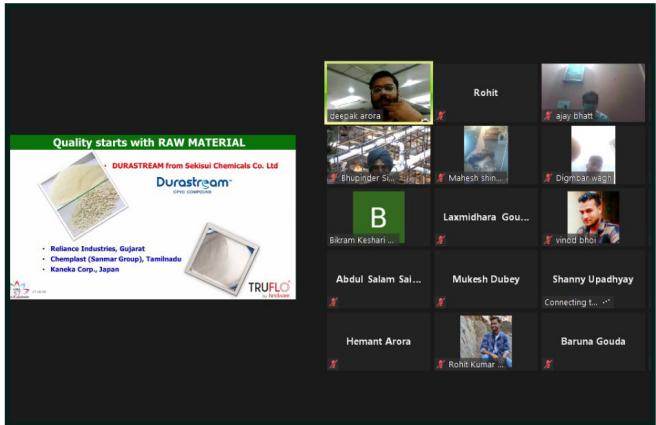


IPSC's Pledge on COVID-19 Appropriate Behaviour

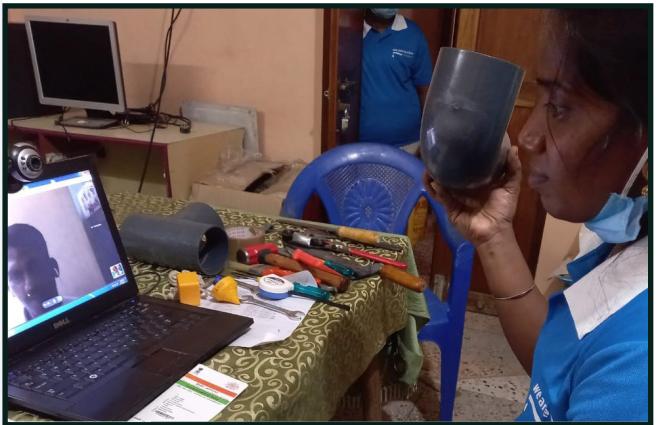


Unity Pledge by IPSC's COO Maj. Gen. TK Chadha & team

Post COVID-19 Resumption of Trainings



Digital industry Sponsored RPL with HSIL



Phygital (Physical + Digital) RPL with Roca



Training under NULM Project, Central India



Training under SANKALP Scheme, Northern India



Women Only Training under NULM Project, Southern India



Training under DAY-NULM, Western India



Trainings under NULM Project, Northern India



Training and Assessment (RPL), Eastern India



Webinar on Implementation of Apprenticeship Program in Plumbing Industry

Indian Plumbing Skills Council organized a webinar on Implementation of Apprenticeship for the Plumbing Sector. Industry leaders, Officials from NSDC and more than a hundred IPSC affiliated Training Partners were part of the webinar. Apprenticeship has proven to be a game changer in several countries and industries across the globe for MSME's, Large Corporates and Institutions.

[Click to Watch Webinar](#)



Pan-India Virtual Tour of NULM Trainings by Sh. Sanjay Kumar, Jt. Secy., MoHUA

In a virtual tour orgaized by IPSC to take stock of NULM Trainigs going on in different states of India, Shri Sanjay Kumar, Secretary, Ministry of Housing and Urban Affairs assessed the ongoing trainings. Mr. Singh all took this opportunity to talk to the candidates and motivate them to perform better. IPSC was praised by Mr. Singh for a brilliant execution of trainings. It is to be noted that National Urban Livelihood Mission (NULM) has given a target to IPSC for training and certifying 30,000 beneficiaries in plumbing.



Inauguration of Skill Training Program under Jal Jeevan Mission

In a quest to fulfil Prime Minister Shri Narendra Modi's dream of Jal Jeevan Mission to take tap-water in each and every household of India, Skill Training Program was inaugurated in Haryana and other parts of India. Indian Plumbing Skills Council will be responsible for the Assessment and Certification of atleast 3500 candidates in Haryana by March 2021. Whereas for Assam the figure may reach upto the training and assessment of around 50,000 candidates. It is to be noted that IPSC will be conducting Training of Trainers program in Bihar for 200 candidates under the Jal Jeevan Mission.



Week-Long Series of Webinars on the occassion of World Youth Skills Day

Indian Plumbing Skills Council organized a week-long series of webinars including various topics for WorldSkills India to Career in Plumbing to observe the World Youth Skills Day. From Ex-WorldSkills Competitor to Industry leaders and government officials, Guests were invited from every domain. The topics of the webinars included: "Journey of a Skill Star", "Importance of Skills", "Career in Plumbing", "How to prepare for Skill Competitions" and many more topics.

[Click to see Webinar Playlist](#)

Futuristic Restrooms Post-Covid 19

The bathrooms, irrespective of the fact whether they are public or personal, will evolve soon. Since we are in continuous hunt of contactless measures for possibly every work that we do, the restrooms in the world will see a major change. From the moment you enter into a restroom to the moment you're getting out, everything will be contactless. There have been multiple suggestions given on the entry and exit patterns of the restrooms. To avoid touching door handles, there can be sensor activated doors for entry and exit. Some have suggested an S-shaped architecture of the public restrooms which will not require any doors and privacy will also be maintained. Gender-Neutral restrooms have also been advocated to prevent incidents particularly at high-traffic events where women have to wait in long, closely packed lines while men's rooms remain fairly empty. Hygiene is the key to prevent yourself from diseases like Coronavirus and other Flu(s). And Touchless plumbing fixtures will not only help in avoiding bathroom and kitchen allergens but also keep the hand-hygiene perfect as well and keep you safe from any kind of cross-contamination.

While Airports in India have been upgrading regularly to the latest technologies and trends, it is very important the railways and public buildings also start the shift to contactless technologies. There will be an increased installation of elements pertaining to touchless technologies and automation in the restrooms of the future. Let's look at some:

Sensor Based Urinals and WCs



Manufacturers have been working on different designs of Sensor-activated urinals and WCs which would be capable of cleaning and flushing-out without any human contact. For instance, TOTO has come up with a technology of WC and urinal faucets which is completely contactless and automatic. The seat of the product is fully automatic and works when the sensor gets activated. The Urinal Faucet installed in the WC can be automatically adjusted as per the user's preferences for a better wash. This WC works on Actilight technology. Actilight is a cutting-edge cleaning technology that includes a scientific glaze that's fired onto the bowl and a UV light inside the lid. These two features work together to generate the photocatalytic process that decomposes bacteria and waste. In addition to this, other cleaning features in this sensor-activated WC make this the model WC for the futuristic restrooms. Premist water is sprayed inside the toilet bowl to make it difficult for dirt to adhere. Also, Electrolyzed water automatically spreads out and keeps a clean toilet bowl and nozzle by preventing bacteria with sanitizing effect.

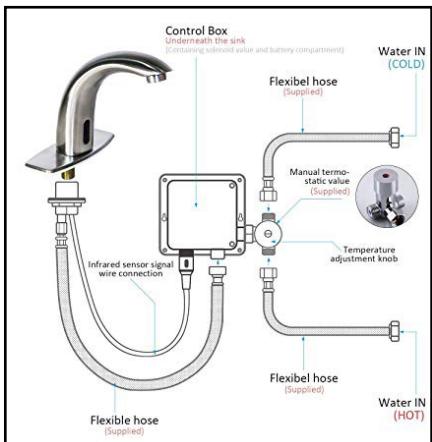
Flushometers

We've seen that sensor-activated flushometers have been installed in many toilets now. Automatic Flushometers are automatically timed self-closing valves. At rest, water is at equal pressure in the upper and the lower chambers. This keeps a flexible rubber diaphragm closed tightly on the valve seat. When the sensor is triggered, the solenoid opens and releases water from the upper chamber, which decreases the pressure. High-pressure water from the inlet lifts the diaphragm and travel down the flush pipe.



Sensor-activated Faucets, Soap Dispensers, and Tissue Dispensers

Sensor activated faucets, soap dispensers, and tissue dispensers have already reduced surface contact in the restrooms. However, this segment will also see many upgradations in the future. With a Sensor-based faucet, you need not touch the faucet for the water to come out, it is designed in a way where the water will come out automatically once you bring your hand near the faucet or in front of the sensor. Every sensor-based faucet is based on four elements viz. Solenoid valve, infrared sensor, power source, and a tap unit/shell.



The Power source is either connected to the alkaline batteries or the mains. The Solenoid valve is responsible for starting and stopping the water flow. When the infrared sensor senses any interference in its path, then it sends the electric signal to the Solenoid valve which in turn starts the outflow of the water through the tap unit/shell. The volume per flow is predetermined and the water would stop, the electronic in the tap body is controlled by a remote controller to increase the time and sensitivity. When the interfering object/hand gets out of the path of infrared sensor, an electronic signal is being sent to the solenoid valve to stop the flow of water. This is the basic technology on which sensor-based faucet works, however, there can be several additions to this as well. For instance, a thermal sensor is also there in some sensor-based faucets which analyse the temperature of the environment and decides on the temperature of outflowing water. In the times when we are

using more water than before for washing our hands at regular intervals, it is surprising to know a sensor-based faucet can save up to 87% water as compared to a traditional faucet.

We all have to accept that not everybody in India can install sensor-based faucets in their homes, obviously the sensor-based faucets come with a considerable cost. However, the market has found a solution for those who want to shift to touchless methods of sanitization but don't want to carry out huge installation processes all again. Companies have now launched Sensor attachments for regular faucets which can be installed on to the faucets and the purpose of automatic outflow and supply cut-off of water can be achieved. A sensor with an inbuilt valve is installed on the mouth of the tap and when the sensor senses any interference in its path, then it sends the electric signal to the valve, and the process results in the outflow of the water. This can also have many modifications depending upon the preferences of the user.



The sensor-based soap dispenser has an infrared sensor installed in it with an activated timer which dispenses the soap for a specific amount of time. A tube is connected to the soap tank, rolled around a peristaltic pump motor. When the infrared sensors detect any interference in its path, the sensor sends an electronic signal to the timer and parasitic pump motor which starts revolving then. The motor squishes the tube which enables the movement of soap through it and the soap flows out of the dispenser. As soon as the time limit of the timer ends the whole process shuts down resulting in no more outflow of soap. The sensor-based Tissue dispensers also work on the same design. The dispenser could be varied type, it could have liquid soap, foam, or now even sanitizer.

There's no denial in the fact that touchless plumbing fixtures are on an expensive side. Considering that we have many renowned technological institutions like IITs, NITs, and many more, if efforts are being made in this direction then this challenge can be crossed easily. The second challenge in front of us is the consumer preference. People tend to choose foreign brands more often whenever they are upgrading to exclusive things, sensor-activated faucets in this case. This mindset of trusting foreign brands has to change. Remember this is going to be a two-way process; the manufacturer will have to offer lesser rates and good quality and the consumer needs to trust the brands of their nation. I am very optimistic about the "Vocal for Local" Mission of our PM Shri Narendra Modi and I am hopeful things will change from here. It is also very important to train a workforce that knows about dealing with touchless plumbing. And it's very soothing for me to say that we at IPSC have taken a step in this direction and are working towards developing and modifying our current curriculum and practical training. It's a great pleasure to inform you all that even in the new iso standard being formulated for water-efficient products the sensor taps have also been included.



Mr. Vinay Gupta is a technocrat from IIT Delhi and started manufacturing premium range of tapware in Delhi since last 35 years. He is pioneer in bringing the latest global technology in the Industry to India. Mr. Gupta is currently the Vice Chairman of Indian Plumbing Skills Council.

Join Hands With

INDIAN PLUMBING SKILLS COUNCIL

**Take the Prestigious
Indian Plumbing Skills
Council Membership**

About Us

Indian Plumbing Skills Council (IPSC) is the apex Sector Skill Council for the Plumbing Industry, operating under the aegis of National Skills Development Corporation (NSDC), an initiative of the Government of India (Ministry of Skill Development and Entrepreneurship-MSDE) to transform India as a hub for skilled manpower as envisioned.

OUR DATABASE, YOUR PROMOTION

Indian Plumbing Skills Council enables organizations and associations to network efficiently within the industry and provides a unique opportunity for organizations and its professionals to engage and drive thought leadership in activities, forums and industry groups with a vision to Develop Excellence in Plumbing Skills.

Key Takeaways

- Government Connect.
- Handholding for APPRENTICESHIP and ASEEM Portal.
- Interviews and Features on IPSC Newsletters & Magazine.
- Networking Within the Industry; Enhanced Visibility.



[Click here to Know More](#)

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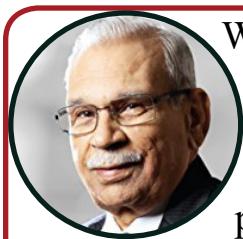
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Message From...



We at IPSC understand the value of plumbers.

They are the first soldiers in the line of defense against issues such as water shortage, water-borne diseases and play a very vital role in keeping the society clean and safe.

- *Dr. R.K. Somany,
Chairman, IPSC*



IPSC has been working continuously to engage the industry towards the Skill India Mission amongst important other activities pertaining to formalizing the skilling eco-system in the Indian Plumbing Sector.

- *Mr. Vinay Gupta,
Vice Chairman, IPSC*



We have successfully trained and certified around One lac plumbers pan India. IPSC has always focused on qualitatively upskilling the Plumbing Community and generating domestic as well as overseas employment.

- *Maj Gen T.K. Chadha
(Retd.), COO, IPSC*

#JalShaktiAbhiyan #JalJeevanMission

IPSC's efforts for Water Conservation

IPSC, through its Skill2Save Project, aims to bring together all the Stakeholders from the Plumbing Industry & Skills Eco-System that share the common vision of Water Conservation on to one single platform and create synthesis between the efforts undertaken, leading to a Positive Change in this domain.

Corporates, PSUs, NGOs, Institutions, Schools, Colleges, Universities, RWAs, Housing Societies, Hospitals, Builders, Malls, Shopping Complexes, etc can be a part of this. Different entities have different role to play in the chain leading to Water Conservation. Initiative of one links to efforts of the other. The impact of efforts is common, i.e. Water for our Future Generations.

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- Mr. Vinay Gupta, Vice Chairman, IPSC
- Mr. DS Sachdev, GB Member, IPSC
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