



ड्रेड्जिंग कार्पोरेशन् ऑफ इंडिया लिमिटेड  
ड्रेजिंग कार्पोरेशन ऑफ इण्डिया लिमिटेड  
DREDGING CORPORATION OF INDIA LIMITED



## **DARPAN THE MIRROR OF DCI**

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*Life line for Ports*





## Vigilance Awareness Week **SAY NO TO CORRUPTION**



Prof S.Sumitra, Principal, B.R.Ambedkar Law College, AU graced the inauguration of the Vigilance Awareness Week on 26/10/21. Prof Dr G.Y.V.Victor, MD&CEO welcoming her.



Shri.K.Venkata Reddy, Chairman AP Maritime Board Chief Guest of Vigilance Awareness Week Valedictory Function distributing prizes to the winners of Various Competitions.



Shri.K.Venkata Reddy, Chairman AP Maritime Board Chief Guest , Prof Dr. G Y V Victor, MD&CEO and Shri J Pradeep Kumar, CVO supporting Corruption Free India Signature Campaign.

**Concept of Maintenance of any type of Equipments/Machinery**

**Capt. Nagendra Rao**



**Maintenance refers to the process of preserving the best condition of an asset, equipment, machinery, documents, personal health and Hygiene etc.**

The technical meaning of maintenance involves functional checks, servicing, repairing or replacing necessary spares of any equipment, machinery and supporting utilities.

**TYPES OF MAINTENANCE:** Maintenance is basically classified in to two types:

**A Preventive Maintenance:** The process of initiating tasks and maintenance plans to prevent breakdowns/failures. It is a maintenance strategy based on replacing/restoring an asset/spare at fixed intervals regardless of its condition. It can be periodical maintenance such as daily, weekly, fortnightly, monthly, quarterly, half yearly, yearly etc. It can also be based on usage of machinery/equipment for fixed running hours such as 10000 hours, 20000 hours etc. as per OEM (Original Equipment Manufacturer) recommendations.

This **Preventive Maintenance** is categorized in to various types:

**Proactive Maintenance:** It is a preventive maintenance strategy to correct the root causes of failure and avoid breakdowns caused by underlying conditions.

**Predictive Maintenance:** The process of tracking normal operation of an equipment/machinery to detect possible defects before they become defective. It enables to save money on breakdown repairs by taking appropriate action well before any damage occurs resulting in downtime.

**Planned Maintenance:** The process of correcting / fixing any system / equipment / machinery by anticipating any breakdown well in advance. It covers maintenance tasks which are planned, scheduled and documented to reduce downtime from unexpected breakdowns. It involves simple and regular planned inspections and periodical maintenance of equipment/machinery.

**Routine Maintenance:** It refers to maintenance tasks carried out on a planned basis to identify and prevent failures by regular inspections.

**Condition Based Maintenance:** The process of taking prompt action on a machinery/equipment that is in the early stages of breakdown. It is applied when a machine/equipment alerts that the system is beginning to malfunction before breakdown occur

Preventive maintenance Improves life span and reliability of equipment/asset/machinery.

Minimizes downtime due to breakdowns.

Prevents unexpected equipment failures

Reduces likely hood of breakdowns

**B. Corrective Maintenance:**

The maintenance tasks which are carried out in response or reaction to fix a failed machine/equipment which needs urgent repairs. It involves in restoring broken down equipment to normal operational condition with the assistance of technicians with back up of spares.

This **Corrective Maintenance** is categorized in to various types:

**Reactive Maintenance:** It refers to repairs that are done when an equipment/machinery has already broken down, to bring it in to operational condition.

**Emergency Maintenance:** Maintenance carried out under a condition or a situation which poses a danger to the system, equipment, machinery etc. It requires immediate attention for the safety of personnel and property.

**Breakdown Maintenance:** Maintenance performed on any equipment / machinery that has broken down completely and cannot be operated. This is also called Run-to-Failure maintenance. It is more expensive than preventive maintenance.

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**Cyber Security Awareness**

**Mr. P. Srihari, Manager (IT)**



**STOP, DROP AND ROLL.**  
**LOOK BOTH WAYS BEFORE CROSSING.**  
**STOP. THINK. CONNECT.**

**Do's and Don't's**

Cyber security awareness is a must for everyone and training on the same is too vital to security. This is a key topic because many people assume if they have the best security technologies, it will provide them with 100% safety of their data. Large corporations and governments spend huge amounts and still aren't immune from cyber-attacks. Another common belief is that the IT department will take care of it or assume that a firewall and anti-virus will protect them against anything. But, we must not forget that these tips that keep you safe at work, will also keep you safe at home!

Cybersecurity awareness is for... Employees, Business owners, Parents, Kids, seniors & everyone. The following are some of the Do's and Don't's.

**Guard yourself against Phishing**

- Common email scams employ email messages and even websites that look official, but are in fact attempts to steal your identity to commit fraud. This is the activity commonly known as Phishing.
- Make sure that the address in your browser is genuine and does belong to the website you need to access.
- Never click on a link within an email requesting that you enter your username, password, etc. The link can also be malicious.
- Never give out sensitive personal or account information to someone that asks via email unless you have verified the message's authenticity.

**2. Change your password on regular basis as per the password policy.**

- It is recommended to change passwords on a regular basis

**3. Do not share your password with anyone.**

- Don't share your password. As a rule, never share it with anyone.

**4. Always remember to sign out properly after using your mail account.**

- Always log out of your email when finished

**5. Do not save or remember your password anywhere.**

**6. Use Anti-Virus software & update it on regular basis.**

- It is also highly recommended to install and maintain an anti-virus software on your computer to prevent infection from USB drives and Make sure it is updated regularly. Scan all attachments with a virus program before downloading/executing any, even if they come from someone you know.
- Computers that are infected with spyware/key loggers record every word that users are typing, hence a daily scan is recommended.

**7. Update the operating system and application patches**

- Users need to ensure that their desktop/laptop has the latest operating system and application patches. If the patch levels are not updated, updated anti-virus software will not be able to prevent an infection. Both anti-virus and operating system patches need to work together.

**8. Never open / respond any mail / attachment from unknown sender.**

**9. Never subscribe your email ID on unsafe locations (over internet).**

**10. Scan systems regularly.**

Do scan devices such as Pen Drives, Media such as CDs for viruses in a system with latest Anti-virus updates before using.

Do protect access to PC using password and do not disclose passwords to anyone. In case of necessity, the password may be disclosed to authorized person only. However, pass word should be changed immediately afterwards.

\*\*\*\*



**Chatter Patter with 'KIDULT'**

*Ms. M. Vijaylakshmi, JM (HSE)*



I am big fan of kids and firmly believe that they are source of inspiration and reason to many of our achievements in life. They teach us how to be happy at all times, get excited for small little things, curious about everything, ignore or forget the sad events easily, be adamant about your goals, convince others in getting what they want, follow instructions with perfection, always be engaged, do things what they like without any fear and many more life lessons.

Many of us might have experienced and learnt surprising/ interesting lessons during the routine communication that we have with kids. Similar to such experiences, here are few excerpts from Chatter Patter with 'KIDULT' that I have come across with my Kid.

Me : Son, study well so that you become a big man.  
Kidult : Studies will only make me go to office, eating properly will make me grow big.  
**Life Lesson : Is our education system limited to earn employment only?**

Kidult : Why did you beat me?  
Me : Because, you did wrong thing.  
Kidult :Is beating right thing?  
**Life Lesson :Are we really teaching the right things to kids?**

Kidult :Amma, Why didn't you buy house in cellar like watchman's instead of this flat.  
Me :Their house is small, will not be enough for us.  
Kidult :Isn't that house enough for me to sleep? I only want that big cellar to play whenever I want like watchman's children do.  
**Life Lesson :Are we giving what our children really want?**

Kidult :Doesn't Grandma like Grandpa's name?  
Me :What made you think like that?  
Kidult :Because Grandpa calls Grandma by name but Grandma never calls him by name?  
**Life Lesson :By not addressing someone by name gives real respect and love?**

Me: Don't touch the knife, you will cut your finger.  
Kidult :How will I learn cutting without touching the knife?  
**Life Lesson : Are we giving them opportunity to learn?**

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**Digitalization of Payment**

*Mr. Ayyappa V,D/M (Finance)*



In this modern world, Technology has played a vital role in Banking Sector, to Site an example for this is "Digitalization of Payment".

A digital payment is the transfer of money or digital currency from one account to another using digital payment technologies, any financial transaction where cash or a physical check isn't exchanged, payment is made by using mobile wallets or mobile payment apps.

We can make payment of utility bills like Electricity, Mobile recharge and Rent payment, and opening of Bank accounts, etc., by sitting at home by using smart mobile phones or laptops and desktops.

There are many types of Digital payments, Banking Cards, UPI (United Payment Interface), Internet Banking, Mobile Banking and etc.,.

There are many uses, firstly in this Pandemic situation where contactless payments is in high priority, Digitalization has played an important role.

Higher payment security, Low risk of theft, Instant Payment.

Electronic payments are much faster than the traditional methods of payments such as cash or cheques.

Penetration of digital payments reached 78% in 2020, recent growth has been incremental and globally, such unique business models could impact up to 80% of existing banking revenue by the end of 2020.

While the digital payments market is expected to reach \$7.6 trillion by 2024 worldwide with an average CAGR of 13.7% between 2019 and 2024.

In View of the above, we can say that Digitalization plays an important role in near future.

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**How to Develop in House Official Website**  
**Ms Salma Sheikh, Senior Assistant**



Website is the face of the company which decides whether we are capable and popular enough in this competitive world or not? As we all know, face is the index of the body structure so it has to be maintained properly so that we can be presentable in front of everyone and the same is with the website which has to be designed properly with appropriate designs and tags.

Website can be Static and Dynamic:-

A Static website is the most basic type of website and contains web pages with fixed content. Each page is coded in HTML and displays the same information to every user.

A Dynamic website is a website that displays different types of content every time a user views it.

What is CSS?

CSS is cascading style sheets it defines style look and formatting of a webpage.

What is Bootstrap?

Bootstrap is a free front-end framework for faster and easier web development. It includes various templates, forms buttons tables, optional JavaScript plugins etc.

Main points which have to be remembered while designing of Web page and Website:

- 1) Entire website has to be divided in various webpages
- 2) Each webpage should have basic html tags like <html>, <head>, <body>, <section>, <div>, etc.
- 3) Whenever new webpage of a website is being designed CSS pages whose styles and formats have to be used in particular webpage that have to be called on the top of the webpage under basic <head> tag of the html
- 4) It's a good practice to write simultaneously open tag and close tag at a time inside the tags write the description or mention the various <section>(various sections) and <div>(various divisions) which inturn makes the structure of the particular webpage.
- 5) Mention contact details on index page of the website and use different icons or images with a hyperlink to have detailed contact details on another webpage
- 6) Use more and more images, icons.
- 7) Use more and more colours.
- 8) Instead of vast data and making more web pages describe latest news and events with images or posters
- 9) Keep the content up to the mark and concise (without having many links on the same web page use a main webpage inside that define another webpage) by using <a> (anchor tags) and by href (hyperlinks)
- 10) Define margins, fonts, font-size, colours, background images, etc which will be same for entire website in CSS so that directly particular CSS page can be called in various webpages
- 11) Use features of drop down for having various webpages under main webpage by defining drop down class in CSS and by <UL>(unordered list tag) and <li> (list tags)Need to have basic knowledge of html and CSS
- 12) Need to have basic knowledge of script language
- 13) Design a simple but attractive footer to the entire webpages and most probably same footer for entire webpages. Footer can be designed by using <footer>(footer tag)
- 14) Design a footer which attracts viewers to see by using images, various colours .Footer of the page is mainly used for defining about the content and update status of the website with date.
- 15) While designing official website collect data from various departments which is required to be presented on the website.
- 16) Mainly goal of the company i.e. Services what is done by the company should be highlighted with various effects, images and colours
- 17) And last but not least have self-confidence, have patience, refer various sites, ask for suggestions and try to implement the things which make look of the website good.

**Increase your probability to Win**  
**Mr. Amarnath Das, Junior Officer (Survey)**



**Key points to increase the winning probability**

In the present echo system, every individual has to fight a small war or face obstacles in daily life to achieve their goals either in business or in routine life. At every point, everyone wants to achieve their success. Hence, "successful" is one of the joyful word to everyone. We discuss few critical steps which will lead us to increase the winning probability.

**Preparation**

Strength and weakness are two major components of Success. If someone having proper knowledge or information about his/ her Strengths and weakness then he/she could have prepared himself/ herself for any kind of difficult situation and make an appropriate approach to overcome the difficulties. For example, if someone is going for an interview in a company, and before appearing in the interview put an effort to know about the company. Like, what exactly the company is doing, what are the company's goals and motives, what all company wants to achieve in the present and future etc., and how he/ she can help the company for achieving the future goals, this type of preparation or approach will provide an extra edge and increase the winning chances. Similar types of preparation can be seen in Cricket and all other sports, by using this principle individual players/teams build up their strategies considering their Strengths and weakness to defeats their opponent. So first thing understand yourself properly, know your strength and weakness and second thing before dealing with someone try to know them and get information's about them as much as possible, this thing will help to become successful person in life.

**Control over Emotion**

Human beings are emotional creature and mostly make decisions based on emotions. It could be noticed in Cricket and other games, that a group of players usually trying to irritate the opponent player by passing comments. Particularly when that player performed well during the match. Because it is well known to them that when a person gets influenced by his/ her emotions then chances of doing mistakes are also high, which will benefit the opposite team or the person in return. Similarly, nowadays most of the advertising content is target our emotion, media purposely show us negative stuff, because our negative emotions are more powerful. So do remember, do not allow people to misuse your emotions and manipulate you negatively. Hence, before taking any decision do remember that you are deciding by thinking logically not emotionally. Most of the times we take wrong decision by getting influenced by our emotion and this influence takes us away from our goals or at minimum do not give the best outcome. Fighting every day with our emotion is a tough war, but only that person will win who learn how to handle their emotion properly and the person will surely lose, who gets influenced by their emotions or whose emotion control them.

**Self-Discipline**

One of the most valuable criteria to becoming successful is self-discipline. Also, it is significant for a successful person to continue their success journey. Self-discipline is all about our mind setup. To maintain self-discipline, our goals and winning probability should have clear in our mind, or else, the mind will distracted continuously. So do remember that the only way to maintain self-discipline is attached to the goals emotionally.

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**Vacancy in Floating Establishment**

**DCIL**

ദുറ്റിംഗി കാർപ്പറേഷൻ ഇൻ ഇന്ത്യ ലിമിറ്റേഡ്  
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DREDGING CORPORATION OF INDIA LIMITED

Dredging Corporation of India Limited, is a Premier Dredging Company Engaged in the Business of Dredging. It is involved in Maintenance Dredging, Capital Dredging, Beach Nourishment, Land Reclamation, Shallow Water dredging, Project Management Consultancy and Marine Construction.

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**May Contact:**  
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**PREMISES AVAILABLE ON LEASE/RENT**

Dredging Corporation of India Ltd. invites sealed quotation for our premises at HB Colony, Seethammadhara, Visakhapatnam – 530022 on lease/rental basis for Commercial / Office use. This premise is equipped with all basic amenities and ready for possession / occupation. The format for submission of the bid can be downloaded from D C I website

<http://dredge-india.nic.in>



*Retro*



*IHC Merwede has successfully named and launched the 5,500m<sup>3</sup> trailing suction hopper dredger, DCI DREDGE XX, in a ceremony on 2 February 2013 at the company's shipyard in Kinderdijk, Netherlands. The ceremony was performed by Smt. Reta Mohanty, the spouse of Captain DK Mohanty, the Managing Director of DCI, who was also in attendance, along with Smt. Geetu Joshi, the Director of the Ministry of Shipping in India and Cmde. P. Jayapal, Director, Operations and Technical, DCI.*

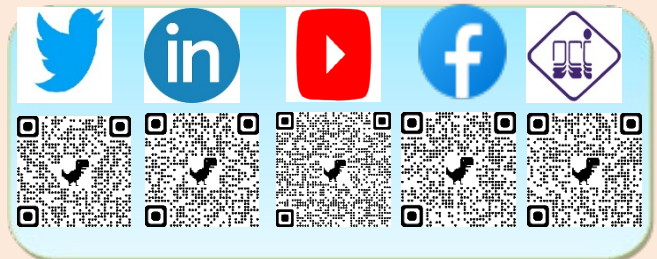
*Smt. Rita Mohanty, Capt. D.K. Mohanty, CMD, DCI, Mr. A. Bram Roelse, MD, IHC Dredgers B.V. and other guests watching Dredger gracefully getting water born.*



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**Designed by :Mrs U Revathi & Mrs S Venumadhuri**



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