

Editor's Desk

On behalf of the DYP College of Engineering, Salokhenagar, Kolhapur, I invite the best contributions from staff, students and stakeholders, to contribute their articles, covering Academics, research, Engineering, visits, cultural, talents (Photography, sports, drawing, poems), news, facts etc. There will be a **special green column**, which will have a info on global warming, sustainability, green technology etc.



Chief Editor
Dr. Vishweshwar Kallimani
Principal, DYPSN



Hyperloop Technology

- Prof. Rohan Shirsat,
HOD, Mechanical Dept.



Hyperloop is an ultra-high-speed ground transportation system for passenger and cargo. Hyperloop as a system consists of sealed and partially evacuated tubes, connecting mobile hubs in large metropolitan areas, and pressurized vehicles, usually called pods, which can move at very high speeds, thanks to contactless levitation and propulsion systems as well as to the low aerodynamic drag. This system can save a lot of time and can be very safe as well it is weather/climate proof.

Hyper loop - The Futuristic transport system. (Top speeds of 1,220 km/h). Hyper loop One has unveiled the first images of its test site currently under construction in the Nevada desert, which is set to become the first operational Hyper loop system in the world sometime this year. The LA-based startup is one of a number of companies determined to make Elon Musk's futuristic Hyper loop vision a reality. The concept – billed as the "fifth mode of transport" – is designed to shuttle pods carrying passengers and cargo at speeds of up to 1,220 km/h (760 mph) through sealed, low pressure tubes. It sounds like science fiction – and sure enough, the idea of superfast tube transport does have roots in classic sci-fi – but the new photos from Nevada show that Hyperloop won't be a fantasy for much longer. The test site, called DevLoop, currently runs at 500 metres (1,640 ft) long, and weighs over 1 million kilograms (more than 2.2 million pounds). When it's completed in the next few months, the full-scale structure will extend for 3 kilometres (1.86 miles), and while the test system may not carry passengers, it will give the world its first chance to see if Hyperloop can live up some pretty epic hype. Musk, the CEO of Tesla and SpaceX, first proposed the Hyperloop concept in 2012, and later released a white paper outlining how such a transport system might work. Musk's original idea was for a Hyperloop tube enabling ultra-fast transit between San Francisco and Los Angeles, but at present it's unclear if a Californian Hyperloop will be a reality in the near future. Since Musk open-sourced his idea, there have been multiple companies and hundreds of academic research teams working on Hyperloop technology, but the leader at the moment seems to be Hyperloop One.

The startup put on the first demonstration of a Hyperloop propulsion system in May last year, and in October unveiled its plans for the first passenger-carrying Hyperloop system, which it wants to build in the United Arab Emirates (UAE), linking the cities of Dubai and Abu Dhabi. That route extends for some 159 kilometres (99 miles) and usually takes about 2 hours by car, but Hyperloop One researchers say a Hyperloop pod could make the journey in just 12 minutes. The company says that pipeline could be ready by 2020, but before that happens, it first needs to demonstrate that its full-scale DevLoop prototype in Nevada works – and can safely reach the insane speeds its engineers have promised. Which is why all eyes will be on the Nevada site later in the year, to see what could be one of the most important trial runs in the history of human transportation?

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ARTICLE SECTION

॥ सोशल मीडिया बनतोय समाज्याचा अविभाज्य घटक ॥

एका आठवड्यापूर्वी कॉलेजच्या व्हाट्सअप ग्रुप वर एक मेसेज आला की , आमच्या कॉलेजतर्फे एक मॅगझीन पब्लिश करण्यात येणार आहे आणि त्यासाठी फोटोग्राफ , लेख , कविता अशा अनेक साहित्यिक घटकांचे सादरीकरण करायचे आहे. मी हा संदेश वाचताच ठरवलं की आपण एखादा लेख लिहायचा आहे , मग त्यानंतर अनेक दिवस विचार करत होतो की कोणत्या विषयावर लेख लिहायचा , पण आज दुपारीच माझ्या सोबत एक घटना घडली ज्यामुळे मला माझ्या लिहिण्याला विषय सापडला.

दुपारची वेळ होती , मी घरी आराम करत होतो , इतक्यात माझ्या कोल्हापूरमध्ये कामाला असणाऱ्या काकांचा मला फोन आला की , मला माझ्या ऑफिसच्या दारात एका अज्ञात व्यक्तीचा ड्राईव्हिंग लायसन आणि काही डॉकमेंट्स सापडली आहे , आणि त्यावर तालुका भुदरगड अस मॅशन केलं आहे. मग त्यांनी मला सांगितले की तुझ्या व्हाट्सअप मध्ये जर तुमचा एखादा तालुका स्तरावरचा ग्रुप असेल तर त्याच्यावर लायसनचा फोटो पोस्ट कर म्हणजे जर कोणी त्यांच्या ओळखीचं असेल तर तो त्यांच्यापर्यंत पोहोचवेल आणि मग ज्याचा लायसन आहे त्याच्याशी संपर्क करून तो त्यांच्यापर्यंत पोहोचवू. मग मी लगेचच माझ्या व्हाट्सअप मध्ये असणाऱ्या दोन तालुकास्तरावरील ग्रुप मध्ये त्या लायसन आणि डॉकमेंट्स चा फोटो आणि त्याखाली माझा मोबाइल नंबर पोस्ट केला. अगदी पंधरा ते वीस मिनिटांमध्ये मला त्या व्यक्तींचा फोन आला ज्यांचा तो लायसन होता. मग मी त्यांना सरळ माझ्या काकांचा मोबाईल नंबर दिला व त्यांनी काकांशी संपर्क करून त्यांचा लायसन आणि डॉकमेंट्स परत मिळवली. त्या संपुर्ण दिवसभरात अर्थात मी ती पोस्ट केल्यानंतर मला अनेक लोकांचे फोन आले जे त्यांच्या परिचयातील होते , मग त्यांना मी सांगितले की त्यांचा लायसन त्यांच्यापर्यंत पोहोचवला.

या घटनेनंतर मला एक गोष्ट लक्षात आली की , सोशल मीडिया चा वापर आपण कसा करायचा आहे , हे आपल्या हातामध्ये आहे. ज्याप्रकारे नाण्याला दोन बाजू असतात त्याचप्रमाणे सोशल मीडिया आणि सोशल नेटवर्किंग च्या सुद्धा दोन बाजू आहेत पण आपणच निश्चय केला पाहिजे की मी फक्त चांगलीच बाजू बघेन आणि त्याचा योग्य तो आणि समाजाला पूरक असा उपयोग करेन. आपण सोशलमिडियाकडे कोणत्या दृष्टीने बगतोय त्यावर त्या गोष्टीचा उपयोग , फायदा किंवा तोटा निर्भर असतो. त्याचप्रमाणे आपण सोशलमिडियाचा वापर करून संपूर्ण समाजात बदल घडवून आणू शकतो. सोशल मिडिया हे एक असे माध्यम आहे , ज्याने समाजातील विचारांच्या देवाण- घेवणीमध्ये अमूलाग्र बदल घडवून आणला आहे. आज जर आपल्याला आपला एखादा विचार लोकांपर्यंत पोहोचवायचा असेल तर आपण तो लगेच व्हाट्सअप स्टेटस वरून तो आपल्या संपर्कातील सर्व लोकांपर्यंत पोहोचवतो आणि या माध्यमातून खूप कमी वेळामध्ये तो सर्व लोकांमध्ये पोहोचतो सुद्धा. त्याचप्रकारे आजकाल जाहिरात करण्यासाठी सुद्धा व्हाट्सअप, फेसबुक तसेच इन्स्टाग्राम यांचा मोठ्या प्रमाणात उपयोग होतो. युट्युबने तर अनेक लोकांना रोजगार मिळवून दिला आहे. आजकालचे अनेक बेरोजगार तरुण युट्युब वर स्वतःचे चॅनेल उघडून आणि माहितीपुर्ण व्हिडिओज पोस्ट करून पुष्कळ पैसे कमवत आहेत. ट्विटर ने तर विचारांच्या देवाण - घेवणीमध्ये खूप मोठा बदल घडवून आणला आहे. आपला विचार फक्त आपल्या संपर्कातील नव्हे तर संपूर्ण जगामधील लोक खूप कमी वेळेत पाहू शकतात.

सध्याच्या कोरोना परिस्थितीमध्ये इंटरनेट आणि सोशल नेटवर्किंग ने खूप मोठी मदत केली आहे. झूम लाइव्ह मिटिंग आणि इतर ऑनलाईन मिटिंग च्या मदतीने लाइव्ह मीटिंगचे व्यवस्थापन करू शकलो. व्यवसाय आणि त्याचबरोबर शैक्षणिक क्षेत्रात सुद्धा ऑनलाईन मिटिंग ने खूप मोठी मदत केली आहे. ज्याच्यामुळे अनेक विद्यार्थ्यांचे आणि व्यावसायिकांचे होणारे खूप मोठे नुकसान टळले. आज आपल्या समाजात सोशल मिडिया आणि सोशल नेटवर्किंगचा इतक्या मोठ्या प्रमाणात उपयोग होतो की , जर अर्ध्या किंवा एक तासासाठी जर नेटवर्क सिस्टिम ठप्प झाली तर अनेकांना लाखोंचे नुकसान होते. त्यामुळे आज सोशल मीडिया आणि सोशल नेटवर्किंग ही आजकाळाची मूलभूत गरज बनली आहे. तरीसुद्धा त्याचा उपयोग आपण कशासाठी करायचा आहे हे संपुर्णपणे आपल्यालाच ठरवावं लागेल .

- दर्शन काटाळे,
CSE. FY. DYPSN.

Arch Of World's Highest Train Bridge Over Chenab Completed



In a major milestone, the construction of the arch for world's highest railway bridge was completed in Chenab, Monday, 5 April, marking the completion of the 111-km long-winding stretch from Katra to Banihal in Jammu and Kashmir.

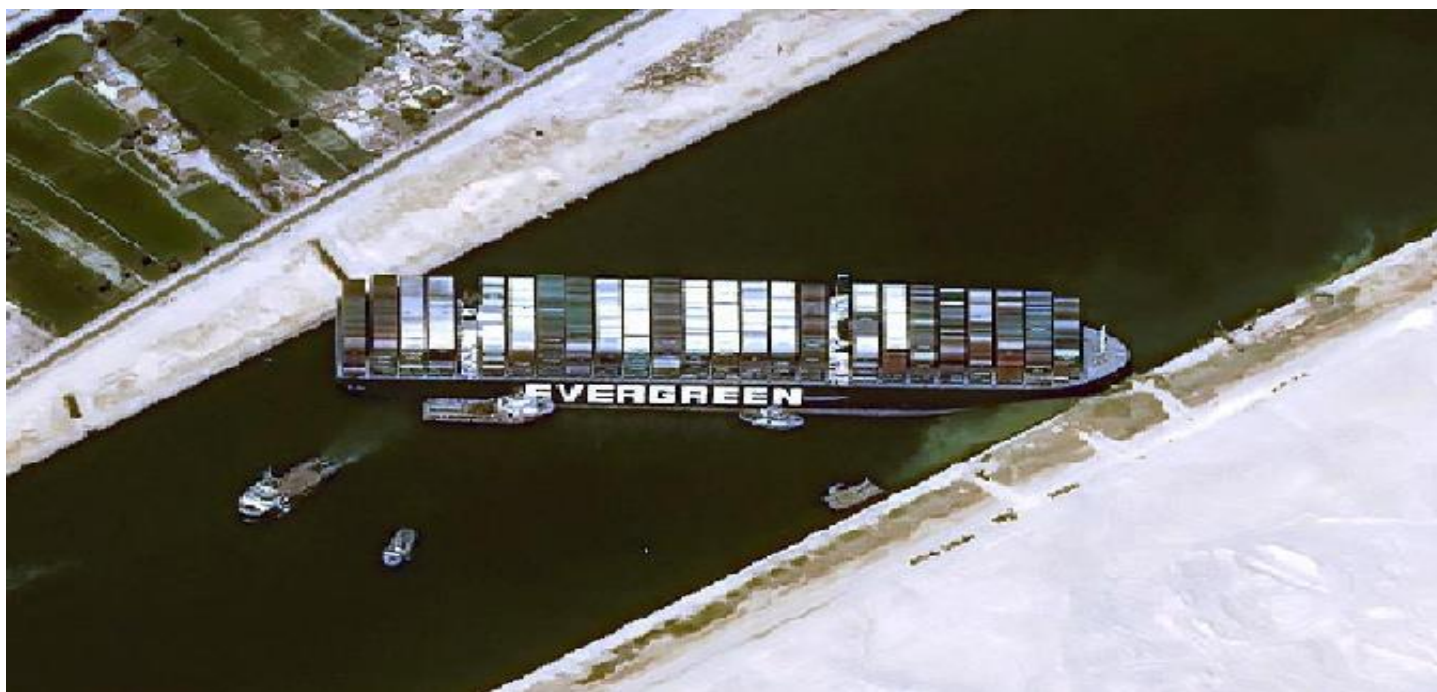
The last 5.3-metre piece of metal was fitted at the highest point on Monday and was the most difficult part of the multi-crore bridge over Chenab, which soars 359 metres above the bed of river Chenab and is also 30 metres higher than the iconic Eiffel Tower in Paris.

The bridge with a budget of Rs 1,486 crore is a part of the Udhampur-Srinagar-Baramulla Railway Link (USBRL) project.

Railway Minister Piyush Goyal, who witnessed the completion of the bridge via video conferencing, took to Twitter to say: "A moment of pride for India! The arch of Chenab bridge, connecting Kashmir to Kanyakumari has been completed. With an arch span of 467m, it is the world's highest railway bridge."

Along with Goyal, the completion was also witnessed by Northern Railway General Manager Ashutosh Gangal and Konkan Railway Chairman and Managing Director Sanjay Gupta, attended the function.

Egypt's Suez Canal blocked by huge container ship



A giant container ship the length of four football pitches has become wedged across Egypt's Suez Canal, blocking one of the world's busiest trade routes.

Dozens of vessels are stuck, waiting for rescue boats to free the 400m-long (1,312ft) ship, which was knocked off course by strong winds. Egypt has reopened the canal's older channel to divert some traffic until the grounded ship can move again. The blockage sent oil prices climbing on international markets.

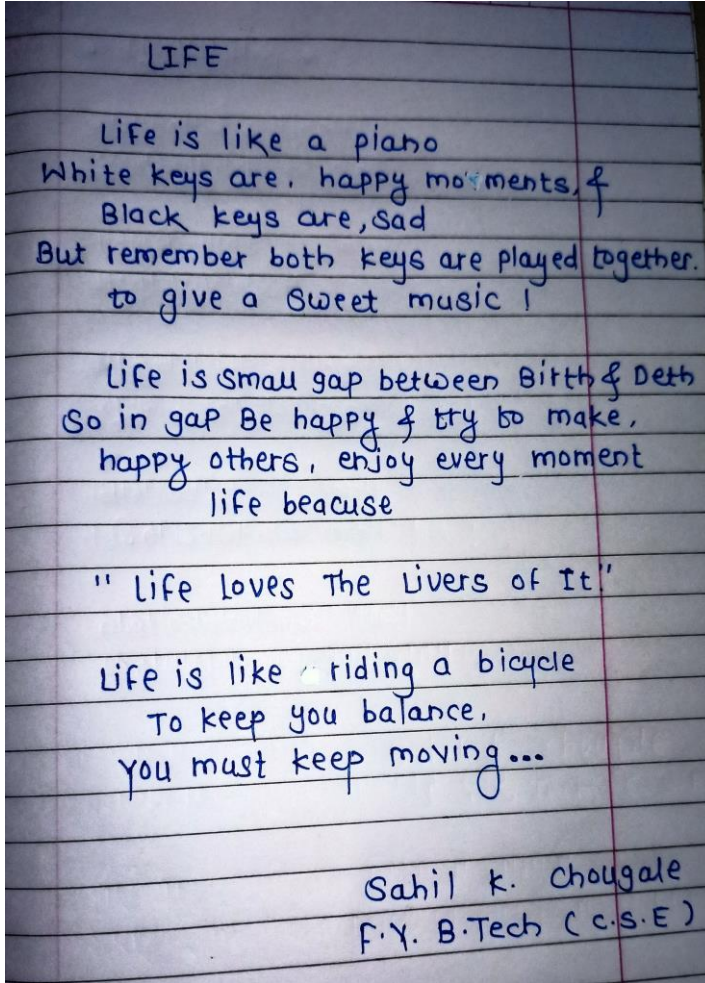
About 12% of global trade passes through the Suez Canal, which connects the Mediterranean to the Red Sea and provides the shortest sea link between Asia and Europe. The Ever Given, registered in Panama and operated by the shipping company Evergreen, was bound for the port city of Rotterdam in the Netherlands from China and was passing northwards through the canal on its way to the Mediterranean.

The 200,000 tonne ship, built in 2018 and operated by Taiwanese transport company Evergreen Marine, ran aground and became lodged sideways across the waterway at about 07:40 local time (05:40 GMT) on Tuesday.

At 400m long and 59m wide, the ship has blocked the path of other vessels which are now trapped in lines in both directions.

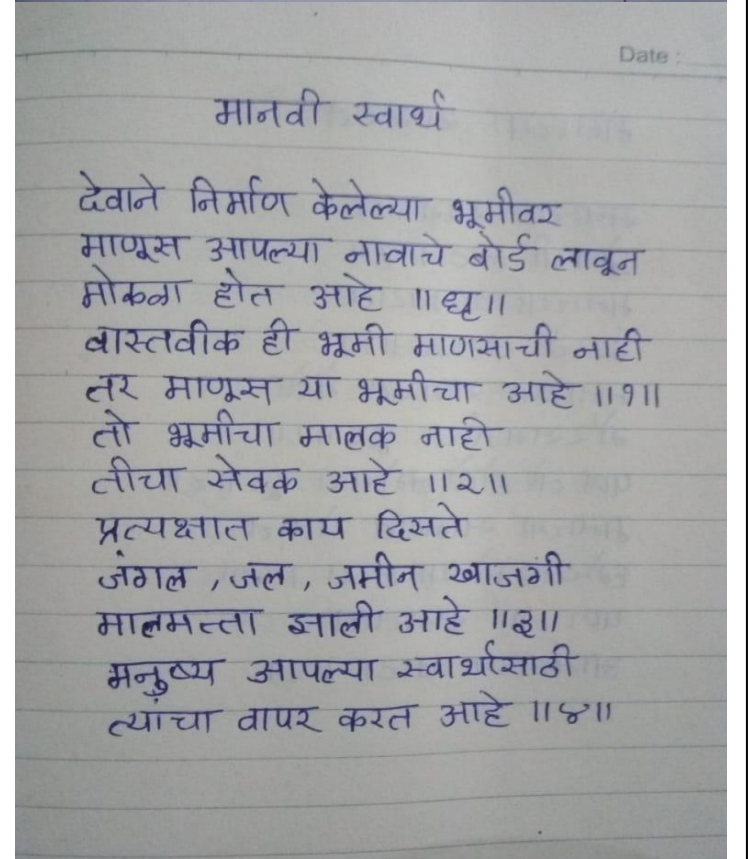
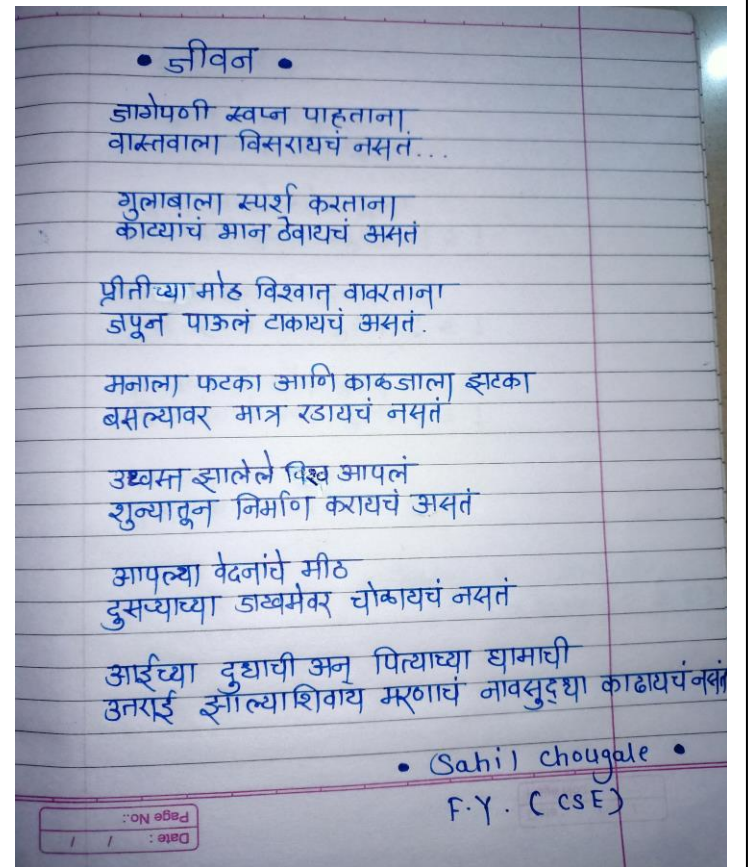
The company that manages the container ship, Bernhard Schulte Ship management (BSM), has denied earlier reports that the ship had already been partially refloated.

POETRY SECTION



Poetry written by-

1. Sahil Chougale (F.Y. B. tech)
2. Pratik Desai (S. Y.)





DYPSN GREEN CAMPUS

1. Go-Green
2. Smoke free campus
3. SAVE Trees, Water
4. Switch-off lights when not in USE
5. Segregate and manage waste
6. Respect Pancha Mahabhootas -
(Air, Sky, Earth, Water, Energy)
7. Research and Invent Planet friendly technologies and practices
8. Welcome to the Green campus
9. Sustainable Engineering and Green Technologies
10. Save paper, 1000 papers made from killing one tree
11. Reduce Global warming, reduce greenhouse gases emissions
12. 42 Billion tons of CO2 emitted annually due to transport, industry and energy – NASA, causing Global warming.

SOCIAL PROGRAMME

रक्तदान शिबीर
नातं माणुसकीचं, रक्ताच्या नात्या पलीकडचं

मी रक्तदान करतोय तुम्ही पण करा

कोल्हापूर जिल्हा काँग्रेस कमिटी | सोमवार, दि. 5 एप्रिल, 2021 | सकाळी 9 वा.
स्थळ : काँग्रेस कमिटी कार्यालय, कोल्हापूर

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Announcements

- University exams start from 22nd march 2021.

ACTIVITIES

Satej Maths scholar

- Satej Maths Scholar exam is being conducted for the last two years as per the concept of Hon. Saej D. Patil. & The Campus coordinator expressed that, this exam is help the 12th science students to prepare for their CET/JEE exams for better future in engineering & increase the intrest in mathematics subject among the students for taking Education in engineering.
- This Exam was held at **7th march 2021**.
- The main purpose this exam is Holistic preparation of objective and subjective questions, Prediction of rank in CET exam & Mentoring students still CET exam.

Breathing Earth

- On the Occasion of World Engineering Day Celebrations of BREATHING EARTH programme was held at **4th march 2021**. It is the awareness programme to Protect Pancha Bhootas – Air, Fire, Water, Soil, Sky.
- The World Engineering Day for Sustainable Development is celebrated on 4th March every year since 2020 as a UNESCO international day of celebration of engineers and engineering.
- On the occasion of this event we are arranged **ONLINE POSTER COMPETITION FOR SUSTAINABLE DEVELOPMENT**.
- This Poster competition of Panch Bhootas intends to create a poster demonstrating how sustainable engineering, green technology can be used at local scale to protect Pancha bhootas.

ACHIEVEMENTS

A Hearty Congratulations to Our Principal, DYPSN



Award of Maulana Abdul Kalam Azad for Excellence of Education 2020 given by AICTE Chairman. Dr. Anil Sahasrabuddhe.

EMPLOYEE OF THE MONTH

(February 2021)



Mr. Rohit P. Patil

Contribution to the Institute:-

- MahaDBT Scholarship Work
- AICTE Supporting Work
- DTE Related Work
- FRA Supporting Work
- Official work related to Shivaji University
- Documentation Support to AO Sir

EMPLOYEE OF THE MONTH, DYPSN

Art Gallery

